Flower Grower

The HOME GARDEN MAGAZINE

MAY 1961 35 CENTS

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May 1961 Vol. 48, No. 5

Flower Grower

the HOME GARDEN magazine

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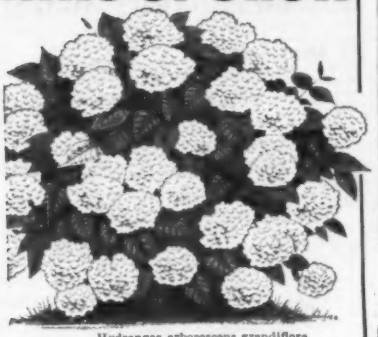
Hills of Snow



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- *Blooms all summer long!*

Now even those bare shady spots on the North side of your home can be turned into bowers of blooming beauty! Stern's magnificent Hills of Snow thrives even in shade, where other flowering shrubs won't grow. Blooms summer-long, from July to October, for a lifetime! Guaranteed to bloom the very first year.

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A dream of a shrub for people who want blooming beauty without fuss or bother! Grows anywhere—East, West, North or South—even in poor soil. Plant as a border for other shrubs, as a showy specimen in your lawn, as a glorious flowering hedge! Wherever you plant, Stern's amazing Hills of Snow is guaranteed to bloom—brightening up even the darkest corners.

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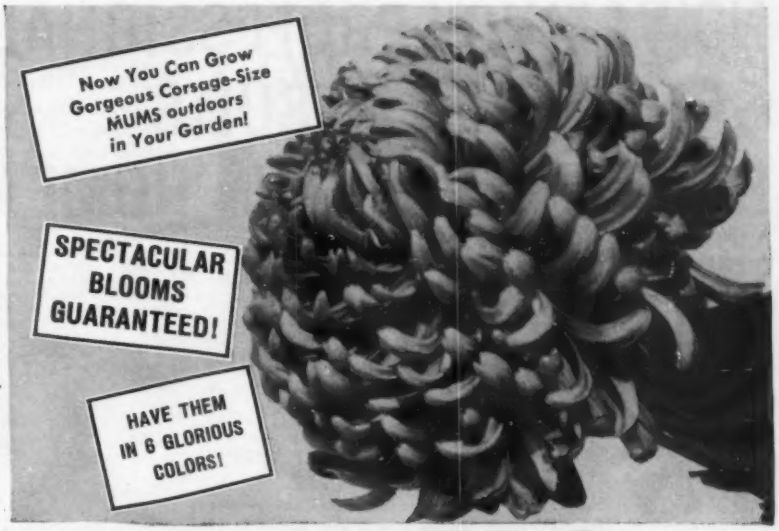

STERN'S FABULOUS FAMOUS-NAME GIANT *Exhibition*

CHRYSANTHEMUMS

Now you can grow honest-to-goodness corsage-size chrysanthemums outdoors, right in your garden! Have magnificent big "football" Mums up to 5" and 6" across—blooming in your yard this very year! What's more, it's easy to get glorious results with Stern's thrilling "Famous-Name" Mum plants. They need no coddling, thrive with minimum care! They're guaranteed to bloom in your garden this very first season. They'll produce gorgeous giant blooms year after year!

Glorious Corsage Mums Every Fall To Give, To Wear, To Fill Your Home With Color!

Just when your Summer flowers have given up the ghost, and your garden needs a lift for Fall—these Mums really produce! Starting in September and all through October and November you'll have flowers of velvety red, golden bronze, vermilion pink, creamy white, bright yellow and silvery pink ...turning your garden into a riot of gay color! You'll enjoy glamorous corsages, beautiful cut flowers every day for months, and still have plenty left over every day for garden beauty! For really giant-size Mums, remove all the smaller buds from each stem, leaving the strongest one on each stem to develop into a magnificent giant flower.

Guaranteed To Bloom This Year!

These freshly-started young plants will grow 2 to 2½ feet tall this year...will produce giant Mums starting this Fall. Full, compact and spreading—these plants form a perfect background for other low-growing Mums, provide thrilling color highlights for your garden!

Have 3 of Stern's Famous-Name Varieties For Only $1!

What a sensational bargain! Think of it—you get 3 of Stern's Famous Name varieties for only $1—all 6 for only $2! That's less than 35c a plant for the world's finest Mums! These vigorous young plants are guaranteed to thrive in your garden—to produce spectacular flowers this very year! They will delight you with their vigorous growth, exceptional hardiness, blooming beauty every Fall for years!

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3 plants for $1

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*any colors you choose

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☐ 6 for $2.00 (1 ea. of all 6 colors listed above)
☐ 10 for $3.00 ☐ 20 for $5.50 ☐ 40 for $10.00

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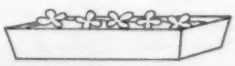

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Readers' Own Corner

BILLBOARDS AGAIN!

Dear Editor:

June 30 is the billboard deadline—unless President Kennedy's suggestion of a four-year extension is accepted. And every state should, while there is still time, take advantage of the billboard bonus.

In the construction of the national network of superhighways currently underway, the Federal Government pays 90 per cent of the costs, and the states pay the balance. The billboard bonus gives one-half of one per cent *more* toward such costs, to each state that agrees to restrict billboards on their interstate highways.

So far, the only state that has qualified for the bonus and has formally applied for it is Maryland. Many states, including New York, despite their not qualifying for the 90 per cent subsidy, have adopted legislation banning or restricting billboards along their new highways, and Wisconsin is trying to beat the bonus deadline with proper state legislation.

States that have passed billboard control legislation in order to qualify for the billboard bonus are Connecticut, Kentucky, North Dakota and Virginia.

The special bonus, part of the Highway Act of 1958, provides for a bonus to those states that agree to control advertising within 660 feet of the highway. This does not mean that billboards would be eliminated; they would simply be restricted as to size, frequency and subject matter.

If the June 30 deadline remains, every state must act *immediately*. Now I hope every garden club member, every nature lover and every plain-dirt gardener who wants to preserve our scenic beauty (what's left of it!) will write to their state leaders and their representatives in Congress.—Mrs. Thomas McIntire, White Plains, New York.

Editor's note: Flower Grower *heartily agrees with Mrs. McIntire and, as you may remember, has published editorials on this subject before. We urge you all to write to your congressmen endorsing billboard controls and the billboard bonus. It is only through concerted and continued effort that we can help preserve beauty.*

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Makes Plants Grow to Giant Size

... makes seeds germinate faster ... breaks dormancy ... flowers open up earlier ... have bigger blooms!

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Contains **GIBBERELLIC** Acid

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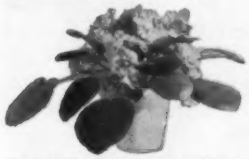
New Uses In Your Own Garden

Now, with Wonder-Brel, you can have the exciting thrill of using this remarkable growth-stimulant right in your own garden, on your own lawn, on your own houseplants, even while plant scientists the country over are researching the many new and undiscovered uses for this very promising aid to plant growth. Although many applications for Gibberellic Acid have already been found, many more remain to be discovered.



African Violet on left was sprayed. Unsprayed plant on right. WONDER-BREL makes plants grow much bigger.

Makes Plants Grow to Giant Size

A rose bush grew to twice its normal size. A sprayed geranium plant grew to a 3 foot giant. Treated African Violets, Coleus, Chrysanthemums, Gloxinias grew much larger than untreated plants.

Truly Phenomenal Results

The use of Wonder-Brel can cause dramatic results, such as beautiful, long-stemmed roses with more buds, on many varieties. Many plants grow faster, mature earlier. Flowers are bigger, open earlier. Grasses grow faster, more luxuriantly than with fertilizer alone. Dormancy is broken. Flowering time is advanced. Seeds are produced earlier. Transplants are not set back.

These Plants Respond to Wonder-Brel

African Violets, Dahlia, Fuchsia, Coleus, Chrysanthemums, Roses, Gloxinia, Hydrangea, Hollyhock, Ivy, Orchid, Petunia, Poinsettia, Rhododendron, Snapdragon, Stock, and many others. Also these turfgrasses: bent, fescue, and bluegrass.

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W-4,	8 oz. super, 2 gal	3.00
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Bigger ... Meatier ... More

TOMATOES

1 to 3 Weeks Earlier!

Many SEEDLESS Tomatoes, too!

Just Spray Tomato Flowers With

No-Seed

Blossom-set

Stops Blossom-Drop!

Makes Blossoms Set Fruit!

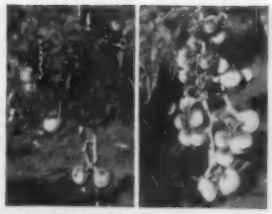
You can pick big, red-ripe tomatoes from your own garden up to 3 weeks earlier than your neighbor. Your tomatoes will be bigger, meatier, better-tasting, and you'll have more of them on every plant. And many early tomatoes will be completely **seedless**. Seedless tomatoes are a rare novelty and many people enjoy the meatier, tastier quality of seedless fruits.

Here's How It Works

Early tomato blossoms often drop off the plants without setting fruit, especially early in the season when night temperatures are too cool (under 59° F.), a condition unfavorable for pollination. Pollination releases the natural hormones in the tomato flower which causes the blossom to set fruit. Without pollination the blossoms drop off the plants without setting fruit. This occurs frequently in cool weather early in the season.

What Blossom-Set Does

BLOSSOM-SET takes the place of the natural hormones and makes the blossoms set fruit despite the adverse weather. By spraying the blossoms practically every blossom sets fruit instead of dropping off.



UNSPRAYED ***SPRAYED***

Heavy tomato clusters (right, above) grow on sprayed plants.

Experiment Station Proof

Experiment Stations in this country and abroad have proved that tomatoes sprayed with BLOSSOM-SET ripen weeks earlier. These tomatoes are often 20% - 30% bigger; are meatier; taste better. Many are seedless because fruit is set chemically, not by pollen.

Reports from Experiment Stations.

MASSACHUSETTS: first picking yielded 276 ripe tomatoes from 88 plants sprayed with BLOSSOM-SET; not a single one was ripe on 88 unsprayed plants. **Georgia:** BLOSSOM-SET sprayed plot yields 30 lbs. in first 3½ weeks of picking; only 1½ lbs. from unsprayed plot. **Minnesota:** BLOSSOM-SET treated tomatoes ripened 2 weeks earlier.

Just Spray The Blossoms

Push-Button

Blossom-Set

12 ounce ready-to-use spray-can. Season's supply for 100 plants **$1.79**

Liquid **Blossom-Set** (in bottles)

4 oz. makes 1 gallon spray	$0.75
Pint makes 4 gallons spray	1.75
8 oz. Agric. Conc. (50 gals.)	6.75

Gives Vibrant Life to Everything That Grows!

GARDEN-LIFE *Soluble* PLANT FOOD

- ***for the biggest and best flowers you ever had!***
- ***for the finest, tastiest fruits and vegetables!***
- ***for superior, more beautiful lawns, shrubs, trees!***
- ***for faster growth . . . bigger, more luxurious plants!***

FREE

25c Garden Measure

in each size GARDEN-LIFE, $1.00 and up.

Accurately calibrated in teaspoons, tablespoons and ¼ oz. measures. A great help in measuring "just right" amounts of insecticides, weedkillers, etc.

GARDEN-LIFE is a high analysis (10-52-17) all-soluble plant food. It dissolves instantly in water to make a liquid fertilizer with more plant food units than any other. Plants fed with GARDEN-LIFE respond very rapidly. NEW GROWTH IS ACTUALLY VISIBLE IN A VERY SHORT TIME! Sometimes just a matter of hours.

Perfect for Transplants . . . Established Plants . . . Lawns . . . Trees

All transplants and nursery stock (tomatoes, petunias, strawberries, roses, shrubs) resume growth almost at once when set out with GARDEN-LIFE. No wilting, no replacing needed. Established garden plants, lawns, trees become healthier, stronger, more productive. Houseplants, too, thrive and attain vivid beauty when fed with GARDEN-LIFE. AFRICAN VIOLET growers report blooms big as silver dollars!

Economical! A little goes a long way!

14 oz.	(makes 14 gallons)	$1.00
2 lbs.	(makes 32 gallons)	2.25
5 lbs.	(makes 80 gallons)	5.00
25 lbs.	(makes 400 gallons)	22.00

The products described on this page are manufactured by

SCIENCE PRODUCTS COMPANY, Inc.

1180 East 63rd Street Dept. F-51 Chicago 37, Illinois

Write for FREE descriptive literature

DEALERS WANTED!

No Weeds!
Easier Gardening!
Almost No Watering!

PLASTIC MULCH

- **Stops weed growth by cutting off the sunlight!**
- **Keeps moisture in the soil, almost no watering needed!**
- **Keeps ground 10-15° warmer on cold nights!**

Just unroll this black plastic film on the soil between rows of growing plants, or lay it down first and plant seeds or transplants through slits in the film.

The black plastic cuts off sunlight; weeds never get a chance to grow. The film prevents evaporation, keeping moisture in the soil. Weeding and watering are practically eliminated. And the plastic keeps soil 10-15° warmer on cold nights.

Seeds germinate quicker. Plants grow faster. Vegetables, fruits are bigger; and healthier because they lay on clean plastic, not wet soil, thus preventing soil borne diseases.

For use in vegetable gardens, flowerbeds, and around trees and shrubs.

IN EASY-TO-USE ROLLS

No. 12-100	(100' x 12" wide)	$2.50
No. 18-100	(100' x 18" wide)	3.50
No. 36-100	(100' x 36" wide)	6.00
No. 1000	(1000' x 36" wide)	36.00

WHERE TO BUY THESE PRODUCTS

Your local dealer, or favorite seed and nursery catalog, may carry these products. However, in some areas they may not be available at all. If your regular supplier does not stock these products, please use coupon below and order direct. We would appreciate it if you would write your dealer's name and address in the space below the coupon.

SCIENCE PRODUCTS COMPANY, Inc.
1180 E. 63rd Street Dept. F-51 Chicago 37, Illinois

GENTLEMEN: Please send me the items below.

QUANTITY	PRODUCT	SIZE	PRICE

Please Add POSTAGE & HANDLING
(25¢ for 1 item; 50¢ for 2 or more)

I enclose check ☐ money order ☐ for TOTAL of $_____
(No stamps, no C.O.D.'s, please)

Name_____

Address_____

City_____ Zone_____ State_____

Northern Pointers

MARY McFARLAND LEISTER
Ellicott City, Maryland

• **Planting:** Seeds of tender annuals may be sowed in the open ground one week ahead of last frost date for your locality. Annuals may be sowed where they are to bloom by planting a few seeds at the spacing required by the mature plant. Thus it is possible to cultivate or to mulch between clumps, and each clump may be thinned down to one plant over a period of two weeks or so.

All roses, shrubbery, trees and herbaceous perennials should be planted by the first week of this month unless they are potted, and all crowded perennials should be divided and reset. Tomato plants go in here (near Baltimore) by May 10, but further north may wait until the end of the month. Early in the month snap and pole beans may be planted; later in the month limas, melons and cucumbers go in. By the end of this month all seedlings should be planted out in borders. Use a starter solution of liquid fertilizer on transplants to reduce shock. Dahlia roots, gladiolus corms and all tender bulbs go in now, with plantings staggered two weeks apart for continuous bloom. Set petunias among fading tulips. Locate rooted cuttings and divisions of chrysanthemums where the sun will reach them late on frosty autumn mornings and they are less apt to suffer damage. Sow seeds of perennials in a cold frame now before summer's intense heat. Many of these, notably the pinks, delphinium, English daisy, myosotis, verbena and wallflower will give bloom this first year, and these older, stronger plants will do better through the winter than August-sown seed.

• **Spraying or dusting:** Treat peonies with a good fungicide to prevent botrytis. Begin when shoots first appear and cover both soil and plant. Use a combined insecticide-fungicide on evergreens, perennials,

NOW! A Breathtaking Miracle of Beauty For Your Garden
STERN'S LIFETIME EVERBLOOMING SUB-ZERO
FOUNTAIN TREE ROSES

GUARANTEED TO BLOOM
This Very Spring!

What an eye-opening vision of beauty is our exclusive new FOUNTAIN TREE ROSE! So rare that unless you've visited Europe's finest exhibition gardens you've probably never seen one before! So spectacularly lovely, they'll astound your friends—amaze every passerby—make your place the envy of your whole neighborhood!

GRACEFUL CASCADES OF ROSES SPRING TILL LATE FALL!

Our unique new FOUNTAIN TREE ROSE is the glorious result of DOUBLE-BUDDING our amazing new SUB-ZERO PILLAR ROSES on sturdy three-foot stems. At first the Fountain Tree Rose develops like our regular Tree Rose, with lush foliage, big colorful blooms. As growth continues, the canes bend gracefully earthward, like a willow, till they actually reach the ground! Imagine these flower-filled sprays, forming a living fountain of roses, glorifying your landscape all summer long. Plant now for guaranteed bloom this very spring!

GUARANTEED TO BLOOM IN 60 TO 90 DAYS

They start blooming early—bloom abundantly all season—even during summer drought! Go on blooming continuously to late fall—often till early snow falls. Increase in size and beauty year after year—continuing their amazing display.

HARDY, VIGOROUS, EASY TO GROW
VIRTUALLY FREE FROM DISEASE

So hardy and vigorous they laugh at conditions that would kill their weaker cousins. Need almost no spraying or dusting. Even highly resistant to Black spot, age-old enemy of roses!

Plant Anywhere for Floral Fountains of Everblooming Rose Glory!

Highlight your entire landscaping plan with a few of these unique specimens. Watch the amazed glances of your neighbors when they burst into bloom—their graceful willow-like sprays covered with hundreds of dazzling big roses! Plant in front of a picture window, and enjoy their loveliness indoors and outside!

HAVE FOUNTAIN TREE ROSES IN THREE GLORIOUS COLORS

PINK

8407A — A "Floral Fountain" of large double pink flowers that bloom in seemingly endless profusion!

YELLOW

8409A — Abundant, continuous "Waterfall" of lovely flowers, with all the size and beauty of fine Tea Roses!

RED

8408A — "Showers and showers" of delightful cherry-red fully double roses, in continual bloom till late fall!

STERN'S SUPER GRADE No. 1 PLANTS GUARANTEED TO BLOOM THIS VERY SPRING

otherwise receive free replacement or your money back in full.

Complete planting instructions with your order.

Each $10 3 for $25 6 for $45 10 for $75

All Prices Postpaid—Send Check or Money Order Now

Stern's Nurseries

ARBOR G, GENEVA, NEW YORK

Specialists in Rare And Choice Trees, Plants & Flowers

Enclose check or money order or charge to your account with Diners' Club, American Express.

LIMITED SUPPLY — MAIL THIS COUPON TODAY!

Stern's Nurseries, Arbor G, Geneva, New York

Please send postpaid, at proper planting time in my section, your unique, guaranteed Fountain Tree Roses as indicated below:

____Pink (8407A) ____Yellow (8409A) ____Red (8408A)

☐ each $10 ☐ 3 for $25 ☐ 6 for $45 ☐ 10 for $75

☐ Check or Money Order enclosed for total price: $_____

Charge to my account with ☐ Diners' Club, ☐ American Express (Check one) Card #_____

Name_____

Address_____

City_____ State_____

KILL WEEDS FAST!
Weed-No-More

EASY TO USE!

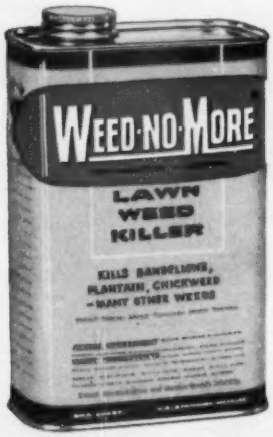
No digging! Weed-No-More is a 2,4-D in a penetrating oily emulsion that cuts through waxy leaf surfaces in minutes. One application gets all the weeds, roots and all!

LOW IN COST!

Enough for the average lawn—only $1.00 (half-pint can). Economy size—enough for 6,400 square feet—only $2.98 (full-quart can).

DOES NOT HURT GRASS!

Kills the weeds fast; does no harm to common lawn grasses. Reseed bare spots in three or four weeks.

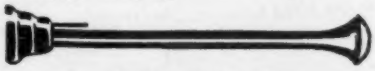


CHICK WEED CLOVER KILLER

This 2,4,5-T propionic acid compound effectively rids lawns of chick weed, henbit, veronica, knotweed, plantain, and many other types of weeds. May be used to keep clover from blooming.

Best applied with Weed-No-More plastic jug sprayer.

FREE! This handy plastic applicator, regularly selling for 59 cents, given free with quart-size can of Weed-No-More. Fits any screw-top gallon jug.



Ask for these quality Acme products at your favorite garden supply counter.

INSECTICIDE DIVISION
ACME QUALITY PAINTS, INC.
DETROIT 11, MICHIGAN

ACME INSECTICIDES
Fungicides • Herbicides
AMERICA'S BEST SELLING INSECTICIDES

shrubs and roses. Spray delphinium with miticide to prevent "blacks." Spray locust and birch trees with lindane to control leaf miner. Keep fallen rose leaves burned, and examine bearded iris for iris rot and borers. Squirt Black Leaf 40 into holes in rose or dictamnus stems where borers are at work.

• **Pruning:** Remove flower clusters from spring-blooming shrubbery as soon as they fade or prune the bushes by cutting blossoms for indoor use. Prune back ivy, wisteria and fall-blooming clematis. Prune tips of evergreens to induce branching and compactness.

• **Watering:** If month is dry all plantings will need extra water. Foundation plantings are chronic sufferers from drought, and roses, phlox, rhubarb, strawberries and raspberries are perpetually in need of water. Keep well watered all the new plants set in this spring and use the finest spray when watering young seedlings. Give Siberian iris a deep soaking just prior to bloom and be sure hydrangeas never suffer for water. If a later frost catches the lilacs you may be able to save them by spraying with a fine cold spray very early in the morning.

• **Feeding:** When roses show first color feed well with liquid fertilizer. Apply 5-10-5 at rate of two pounds per 100 square feet to all gardens and water in well.

• **Mulching:** Apply a good 2-inch mulch (preferably of organic materials) to every bed and border to keep down weeds, increase water-holding ability of the soil, improve its texture, and insure the multiplication of beneficial soil organisms. To supply necessary additional nitrogen use nitrate of soda, sulphate of ammonia, or poultry manure.

• **Housekeeping:** Break or cut faded heads from tulips, hyacinths, and narcissus to prevent formation of seeds. Tie sprawling clumps of narcissus leaves into neat sheaves, and set in petunias or calendulas. Clip off faded flowers from iris at ground line. Allow one runner per established strawberry plant and when it has become well rooted set out new bed for next year's crop. Cut runners and blossoms from newly set strawberries. Pinch back chrysanthemums when 6 inches high. Disbud peonies for larger blooms.◈

Less work, more pleasure with new outdoor power tools

TITAN CHAIN SAWS. long a byword with commercial loggers, are now available in models and sizes designed specially for use about the home and summer cottage. Week-end jobs, like cutting firewood and trimming trees, are made really easy with this exciting new work-saving power tool. You can own a Solid Quality Titan Chain Saw for as little as $134.95. Ask for Bulletin 34.

TITAN TILLMASTER handles all your tilling jobs—seed bed preparation, cultivating, weeding and mulching. Features include automatic impulse starting. Direct, vertical-shaft drive eliminates belts and chains. Approximately $129.95 f.o.b. factory. Ask for Bulletin 35.

ORBIT-AIR Power Mower cleans, mows, mulches your lawn in one operation. Eliminates raking! 3 h.p. engine, automatic impulse starting, and other features give you tomorrow's mower today! Also 3½ h.p. self-propelled model. Prices from $99.95. Ask for Bulletin 36.

MOW-MASTER | ORBIT-AIR | TITAN

are names famous for deluxe performance and solid quality products—sold by leading dealers everywhere. Each product has been designed and manufactured with the consumer in mind . . . featuring safety first, easy handling for the most inexperienced, and plenty of power to get the job done quickly . . . easily. For more information—ask your dealer or write directly to:

propulsion
PRODUCTS COMPANY

515 Marion Ave., South Milwaukee, Wisconsin

MOW-MASTER Fairlawn Deluxe 26" rider makes lawn care easy for every member of the family—handles like a sports car—and provides as much fun. Built with distinct automotive styling and features, the Fairlawn 660 has a 4½ h.p. heavy duty engine, automatic impulse starting, 3 speed transmission and differential. Also available in 24" models starting at $159.95 f.o.b. factory. Ask for Bulletin 37.

A special inducement for you—to try the easiest, quickest composting method:

My offer—a shiny black compost cover for only $1.00

Polythene plastic Black. .0015 ga. 8 ft. x 14 ft. REGULAR VALUE..... $2.59

With the purchase of any size *ActivO* (or other product listed below) I give you a big, black compost cover of shiny polythene, 8 feet wide by a strapping 14 feet long—a regular $2.59 value—*for only a dollar!*

Now you can make your own rich organic fertilizer the easy, covered way . . . no turning, no extra watering! Do it ANY MONTH OF THE YEAR!

QUICK, SURE, EASY

Just make your compost in the regular way, put on the cover—and in 2 weeks to 3 months you have rich, dark humus, teaming with billions of tiny worker organisms that give it dynamic fertility . . . a true, safe, non-burning organic "manure" that's better than any you can buy . . . **a soil-builder** which enriches your soil **to stay!**

HOLDS HEAT, MOISTURE, NUTRIENTS

The cover maintains the good temperatures—holds in the natural heat created by the **ActivO** organisms—to assure faster breakdown of raw organic matter. It also maintains proper moisture and contains the valuable nutrient gases which escape from ordinary compost . . . giving you a richer end-product.

Just gather your materials — kitchen waste, leaves, grass clips, manures, table scraps, almost any vegetable or animal waste—even sawdust and soot! Sprinkle them with **ActivO** and water, cover with soil or rocks. That's all there is to it. Sit back and take it easy until you need the humus!

DYNAMIC AGENCIES

ActivO supplies the dynamic agencies that assure a faster and richer and properly balanced decomposition—Nature's own wonder-working micro-organisms, enzymes, biotic factors, aminos, hormones and vitamins . . . amplified and concentrated and held virile in a bedding of rich, black humus until you fire up the compost with them.

Remember, you get the Cover for only $1 with ANY SIZE **ActivO**—but keep in mind, too, that you save not only initially by buying the economy sizes, but also that ActivO is good for so many valuable uses . . . to **energize** fertilizers, mulches and soils, to activate septic tanks, to treat **seed** (for better initial growth) and to sanitize and deputrate outdoor toilets. It is used even in animal and poultry feeds . . . All this because it's a NATURAL product thruout. Order now — so you'll have it on hand for **all** the good things you expect of it.

Peggy Westbrook

ActivO

☐ **No. 2 (treats 200-400 lb. comp., etc.)**.....$ 1.39 p'pd.
☐ **No. 7 (treats 1500 lb.)**..... 2.95 p'pd.
☐ **No. 21 (treats 4500 lb.)**..... 7.95 p'pd.
☐ **No. 100 (treats 12 tons)**..... 21.95 p'pd.

P.S. If you already have your supply of ActivO, you may have the cover for $1.00 with any other product listed below. Check here ☐

CLIP THIS ENTIRE SECTION AS YOUR CHECK-ORDER FORM, PRINTING NAME AND ADDRESS ON MARGIN.

NOW! Round or **SQUARE**

"PEATSIE POTSIES"

Plant Feeds on Pot. Grows Faster

See the roots grow right thru this pot—made of rich peat and plant food—and eat it up! Plant pot and all right into garden soil or window box . . . **all in a jiffy.** No transplanting; no shock. As plants devour pot, it **grows faster, bigger, healthier.** Ideal for seed, bulbs, cuttings, seedlings or mature plants. Round or Square. Used by all famous commercial growers most of whom prefer square pots.

ALL POSTPAID	50	100	300	500
1¾ inch Square	xxx	$2.39	$ 4.98	$ 7.99
2¼ inch Square	xxx	3.19	8.67	11.79
2¼ inch Round	$1.39	2.49	4.84	9.98
3 inch Square	xxx	3.99	11.20	14.96
3 inch Round	2.39	3.59	9.98	12.96
4 inch Square	4.96	6.99	17.98	25.60
4 inch Round	4.66	6.89	16.88	24.80
4 inch Azalea Round	xxx	6.89	16.88	24.80

West of Rockies: Please send $1.00 per 100 pots for postage; excess refunded. (Special "beginners" trial pkge. 24/2¼ in. Round pots—$1.00, prepaid anywhere in U.S.)

Plant Magic VITAMIN B_1 for plants

Plants must have B^1 for healthy growth and prize blooms. Guarantee against deficiency by using these soluble tablets regularly when watering. B^1 also stops root shock in transplanting. Btl. 100 tabs. (season supply) p'pd.: ☐ **One btl., $1.** ☐ **TWO, $1.49**

ATLAS FISH Emulsion FERTILIZER

Take a cue from the Indians! Atlas, the original fish emulsion and the world's leader, is not only rich in primary nutrients but also contains a long list of vital "trace" minerals. Just use (for lawn and all gardening) spoonful per gal. water. Qt. makes 60-80 gal. liquid plant food. Postpaid:
☐ **Quart, $1.95** ☐ **Gallon, $6.49**
☐ **5-Gal., $25.95** ☐ **Compost Cover, $1**

GIBBERELLINS

Gibberellic acid—the amazing new growth stimulant. New lower prices—more for your money than anywhere else. Guaranteed full value; not to lose strength; money back if not better. Pkt. makes gallon spray.
☐ **TWO Packets (2 gal.)—$1.69**
☐ **1 Handy-size Wonderbrel AEROSOL—$1.25**

ANIMAL REPELLENTS

Dogzoff — Just spray around evergreens, shrubs, etc., to repel dogs, cats, rabbits and other nuisances. Rain resistant. This is the original and old reliable.
☐ **Big, handy aerosol push-button can, $1.99 ppd.**
☐ **Quart bottle, $3.95 Postpaid.**

The GARDENER'S CUPBOARD

Box 61-F, TERRE HAUTE 12P, INDIANA

(Please print your name and address on margin below)

Southern Ramblings

by **BEN ARTHUR DAVIS**
Meridian, Mississippi

• **Lawn Grasses:** A bulletin recently issued by the Florida Experiment Station shows that since World War II planting stock of St. Augustine grass has deteriorated badly. Much of the commercial St. Augustine sod currently used is of the ROSELAWN, or pasture type. The Station, after working for eight years on an improvement program, has come up with a new variety called FLORATINE, the first released under the program. This new variety is low growing and fine textured, with an attractive blue-green color. In average internode length, leaf width and maximum growing height, it is superior to the commonly planted ROSELAWN. It is said to tolerate very close mowing, even down to ½ inch. In buying St. Augustine, it would be well to specify this new type. Incidentally, May is a very good month for planting St. Augustine grass.

• **Amaryllis:** Amaryllis are unlike most flowers in that while they do not come true from seeds, all the seedlings are good. Of course you will like the colors of some better than others, but all of them will be too good to discard. As the seed pods turn yellow this month, gather and plant the seeds in flats or protected beds, barely covering with sand or a sand and peat moss mixture. About three years are required for the seedlings to grow to blooming-sized bulbs.

• **Azaleas:** This is the season when azalea leaf gall appears. It is usually worse during rainy seasons and on plants grown in full shade. Pick and destroy the galls or swollen growths on the leaves. Spray with formulations of fermate or captan.

• **Mulches:** Mulching is one of the most important functions of gardening in the South. Protect your plants from heat and drought by be-

FREE

$2.19 SPRAY GUN

(SWIFT'S SUGGESTED RETAIL PRICE)

This sprayer has been selling for $2.19. You get it at no extra cost with this special offer.

Spray gun fits any garden hose. Automatically delivers properly diluted solutions for spray-feeding roses, lawns and gardens.

Free with the purchase of a 3-lb. package of

NEW INSTANT VIGORO ROSE FOOD

(or Instant Vigoro Lawn and Garden Food)

3-pound package makes 75 gallons of rich, nutrient solution.

Super-concentrated, instantly-available plant food for liquid feeding

Here's a new, spray-on way to feed your roses . . . gentle acting Instant Vigoro Rose Food.

It's specially made for liquid feeding . . . feeds through leaves, stems or roots . . . supplies a complete diet that matches the feeding habits of roses . . . contains every needed nutrient, plus chelating agents to make them most effective.

Its balanced formula promotes an abundance of blooms, sturdy canes, vigorous roots, healthier foliage . . . full development of plant without excessive, bushy growth.

Easy to use, too—just dissolve in water and spray on or around the plant. Leaves no unsightly residue.

For your other plantings, use Instant Vigoro Lawn and Garden Food. Free spray gun offer available with 3-lb. package.

Vigoro is a trademark of Swift & Company

NOW AT YOUR FAVORITE GARDEN DEALER

"Plug-In"

a beautiful garden at budget prices!

LAWNMATE® LAWN AND GARDEN TOOLS WITH THE "GREEN THUMB" SWITCH

Just a small investment puts these Lawnmate tools in your garden —and minimum maintenance keeps them going for years—because efficient electric motors do the work! Instant starts, with effortless operation on standard house current. Look for Lawnmate for gardening fun.

Model E-60 Edger-Trimmer. Hardened tool steel blade cuts 6" swath. Easily adjusts for 1" to 2" height. Blade clutch, anti-scalp guard. 7 lbs. **$24.95**

Model T-70 Grass Trimmer. 5" tool steel blade cuts 5" swath. Convenient "On-Off" switch near finger grip. With auxiliary handle. 4 lbs. **$17.95**

Model 1310 Hedge Trimmer. Hoop type handle and auxiliary handle at rear for accurate control. 13" cutter bar, 16 teeth, 12" swath. Only 5 lbs. **$27.95**

PORTABLE ELECTRIC TOOLS, INC. FG-5
1200 East State Street, Geneva, Illinois
In Canada: 452 Birchmount Road, Scarborough, Ontario
Please send complete information about Lawnmate Lawn and Garden Tools.

Name .....
Address .....
City ..... Zone ..... State .....
Favorite Dealer .....

ing generous in the use of mulches. Some growers are finding fault with peat moss as a mulch for camellias, but everyone seems to like pine straw or needles. Whatever your mulching need, pine straw probably will fill the requirements. You should mulch not only your azaleas, camellias and gardenias, but also the long-season annuals and perennials and newly planted shrub beds and young trees.

- **Chrysanthemums:** This is the best time for setting out rooted cuttings of all types of chrysanthemums. And you may still take cuttings and root in a sand-peat moss mixture. All types except the azalea-mums should be given their first pinching when they are about 4 to 6 inches high.
- **Cassia alata:** This is the month for setting out of this popular plant. Most of the garden stores in the Deep South can supply them.
- **Annuals:** Most of the hardy annuals will be at their best this month, but pansies and sweet peas are playing out. Have seedlings of summer annuals ready to set in the beds and borders when the hardy annuals fade away.
- **Lycoris:** Lycoris are dormant for a short season only. May and June are good months in which to plant. If you plan to move your bulbs, do it during this season.

Question of the Month

Q. *I have heard there is a strain of St. Augustine grass that is immune to chinch bugs. What is it?*

A. I have read the same thing, but a recent letter from the Florida Experiment Station states that there is no strain of this popular grass immune to chinch bugs. However, the Station is working hard to develop one that will be resistant.◈

BRIGHT IDEA!

LAWN-BOY'S "CARE PAIR" DOES THE 5 BIG CHORES OF HOME GARDENING QUICKLY AND EASILY!

Now, Lawn-Boy offers a revolutionary new idea in home gardening, teaming famous Lawn-Boy mowers with the amazing new Lawn-Boy Hobby Gardener, the machine that does away with practically all conventional hand tools.

It tills. Lightweight, easy-handling Hobby Gardener prepares and cultivates flower beds, vegetable gardens and borders with a new kind of speed and ease.

It edges. Make a fast attachment change and you've got an edger that cuts a neat edge along driveway, walk, or garden. It's safe, simple and satisfying.

It hoes. Another attachment and you'll never have to hoe by hand again. Hoe digs holes for bulbs, too.

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Midwest Pointers

by R. MILTON CARLETON
Hinsdale, Illinois

• **Finish all seeding:** Even if spring is late and cool, all cool-weather seeds can be planted early in the month. This includes half-hardy as well as hardy species.

Once the apple blossoms begin to drop their petals, it's time to plant everything including bedding plants of tender flowers and vegetables started earlier indoors. If you forgot to start tomatoes, don't fret. Seeded direct in the garden in early May, they'll probably fruit as soon as most transplants.

Formerly it was time wasted to sow garden peas in May in the Middle West. Today, heat-resistant WANDO will produce a crop even in our heat. The same is true of newer varieties of sweet peas: ask for heat-resistant types.

• **Summer-flowering bulbs:** Although gladiolus corms can be planted as late as you can buy sound stock, the same is not necessarily true for other tender bulbs. Plant out ismenes, montbretias, dahlias, galtonias, caladiums and other bulbs in this class as soon as the soil is warm.

• **Nursery stock:** Finish planting all woody plants as soon as possible. Protect trunks of trees with spiral wrappings if planted this late in spring. If you didn't plant bare-root roses earlier, you can still plant roses if your local garden store has potted plants.

• **Watch iris:** The iris borer can be detected by watching for new leaves that are slimy and have ragged edges. Dig up rhizome and cut out borer, treating the cut surface with sulfur or gypsum dust. Spray plants with borer killers.

• **House plants:** Begin the summer "rest cure" for house plants by plunging the pots up to the rims in soil outdoors. Most of them want light, shifting shade. Make cuttings of those you want to increase so

they can grow all summer before moving indoors.

• **Roses:** Begin regular spraying for blackspot. A combination insecticide-fungicide containing phaltan is probably best, but application must be regular and thorough. Same material should work on all ornamentals.

• **Too early to dig bulbs:** If tulips, narcissus and other spring-flowering bulbs must be dug, be sure the leaves have lost all trace of green before this is done.

• **Is pruning necessary?** If you don't know why you are pruning, drop the shears at once. Mere whacking away for its own sake is dangerous. Do, however, cut off faded flower heads from forsythia and lilacs. In the case of lilacs, remove only the stem that bore flowers, but *not* the two buds directly below the flower.

• **Watch for young scale insects:** In late May or early June, those gray or tan scales on lilacs, fruit trees and shrubs produce tiny crawling young. At this stage they are easy to kill with a malathion spray. If thoroughly done, this will break the cycle and stop scale infestation.

• **Plant perennials now:** Don't believe the old advice to plant perennial seed in June. That's British practice and doesn't work in the Middle West. Instead, get those seeds into the ground at the earliest possible moment, while the soil is still cool.

• **Kill weeds:** Keep the hoe going in the vegetable garden. Begin 2,4-D spraying for broad-leaved lawn weeds as soon as air temperatures stay above 70° for several hours. Too late for pre-emergence crab grass killers, but be sure to spray first seedlings that appear with a post-emergence crab grass killer.

Question of the Month

Q. *My phlox always get rusty on lower parts of stems, but no spraying seems to help. Any suggestions?*

A. This is a secondary effect and is best controlled by getting at the cause. Feeding a fertilizer high in phosphorus and potash helps, but most important step is to divide old clumps now, separating into single stem divisions. Discard old, unhealthy inner part of clump.◈

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West Coast Pointers

by ROBERT E. ATKINSON
(Los Angeles, California)

• **To get lots of color:** For the midsummer garden set out petunias, marigolds, asters and zinnias. This year there is a new material, called Loamite, that allows you to condition your soil and fertilize in one operation and plant immediately. It is a by-product of the lumber industry and is basically an acidified and mineralized sawdust in which fertilizer elements have been combined so that they release slowly.

For more permanent summer color, plant ivy geranium, Peruvian verbena, gazania or gerbera. There is a new kind of gazania available this year, a trailing species named *G. uniflora.* It is ideal for a bank cover. A new Peruvian verbena, also, called PRINCESS GLORIA, has appeared as a sport. It is a salmon-rose color.

• **Transvaal daisies:** Fully double gerberias that resemble spider chrysanthemums are also new this year. They are available in many vivid and pastel colors. Gerberias need full sun and rich, well-drained soil.

• **Cannas:** If you have planted them before and given them up because they are too tall and bloom too late, try the new dwarf Pfitzers. Cannas have come a long way recently with lower, bushier, larger-flowered, longer-blooming forms appearing. The Pfitzers bloom when 30 inches high and come in red, coral, yellow, rose and pink. Cannas need full sun and lots of water.

• **Set out tomatoes:** This can be done almost everywhere in the West in May. This year try one of the new hybrids. Burpee's CALCROSS hybrid takes 69 days; it was developed especially for California but has been grown successfully elsewhere. BIG BOY is the largest hybrid, producing tomatoes weighing up to 2 pounds apiece. This midseason variety takes 78 days to produce fruit. Check catalogs for other good varieties including yellow types.◈

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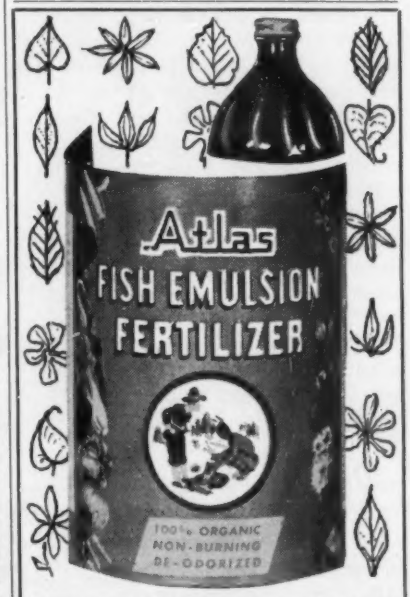

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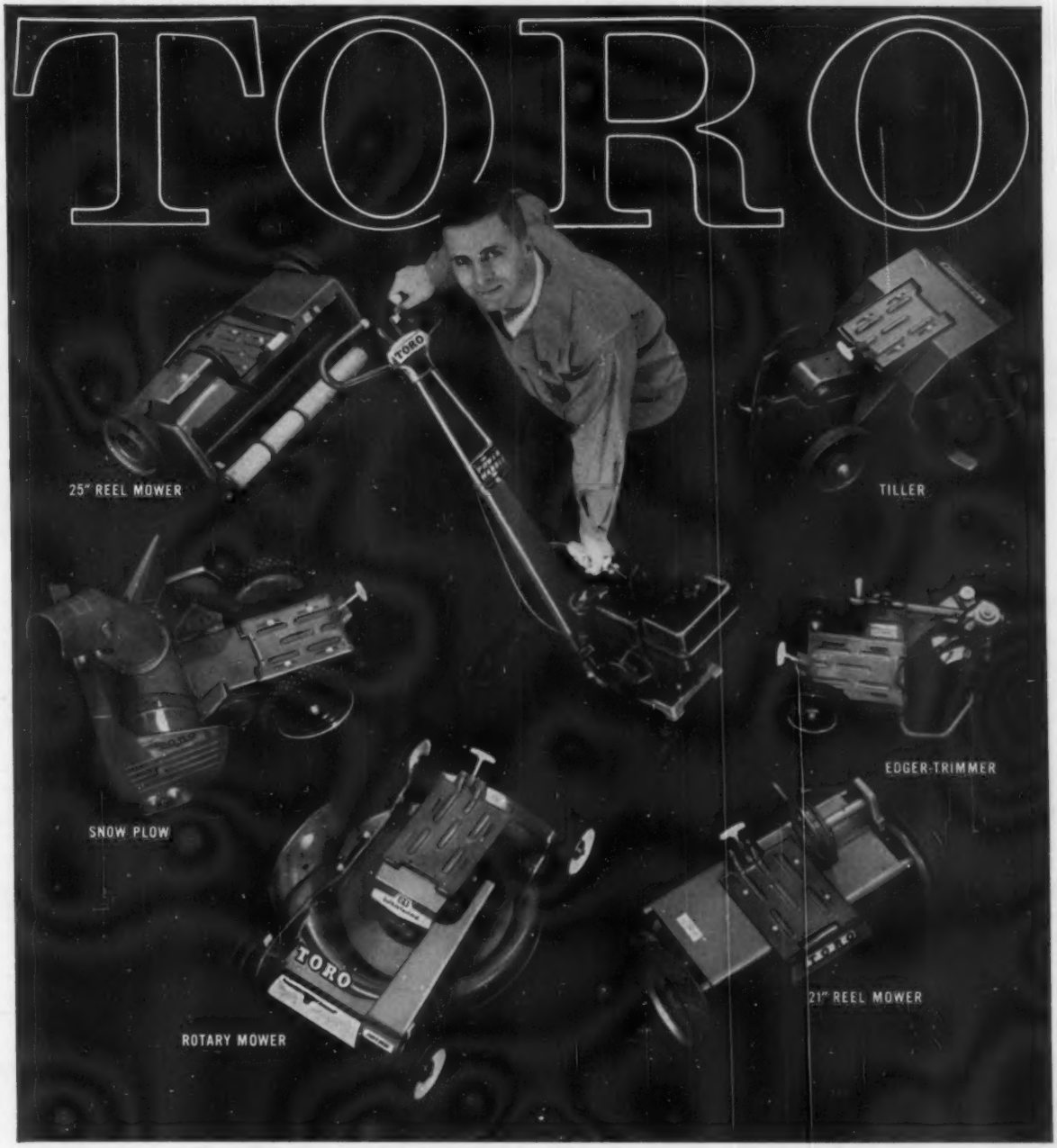

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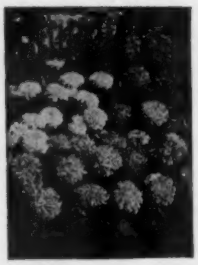
Cover Story:

Chrysanthemums



LOCAL GARDENERS here in Colorado are often surprised when I tell them that I have had great success growing large-flowered exhibition chrysanthemums in this high-altitude region as well as at Los Alamos, New Mexico. I explain to them that here, as in other northern areas, the main problem in growing chrysanthemums is heeding the early frost warnings. These early frosts are generally light but they may injure the flower buds. Therefore, when frost warnings occur before the flowers are fully open, I provide a protective covering. This early frost is invariably followed by several weeks of fine weather that gives ample time for many varieties to bloom if they have not been damaged by early frost. Then too I will often cut flowers in bud when frost threatens, for they will open very well indoors and the flowers last for a long time.

When I first started to grow the large-flowered varieties at Los Alamos, New Mexico (elevation 7,300 feet above sea level) I studied the National Chrysanthemum Society lists of the 100 favorite varieties. Then I checked through catalogs to select the earliest flowering of the spoon, spider and exhibition varieties. Using the weather bureau date of October 26 as the average killing frost date at Los Alamos, I was hopefully sure that any variety listed as flowering by October 15 would be a fair gamble and that those listed as flowering later than this date would be overtaken by frost unless grown in large pots or tubs so that they could be moved indoors if frost came earlier. I follow this same procedure now in buying chrysanthemums for my present garden in Colorado and advise others to keep frost dates in mind when ordering plants this spring.

I grow chrysanthemums for my own pleasure and not for exhibiting. I do not resort to the trick of shading the plants with black cloth for shortening the day and hastening bloom. However, I do locate plants in protected spots as precaution against sudden bad weather such as hail, heavy winds and cloudbursts during the summer months. The best location has proved to be in beds sheltered by the house with an eastern exposure and morning sun. Plants growing in beds with house-protected southern and western exposures grow faster, but because the sun is so hot even in the autumn and is on the plants for a longer period of time in the southern exposure, early-flowering varieties so located fade rapidly. And odd as it may seem there is a negligible difference in the time of flowering between various locations.

At Los Alamos I followed the usual cultural directions for disbudding and feeding these large-flowered varieties but I pinched back only *once*. This was done when plants were set out in the beds under Hotkaps during the latter part of April.

Some of the varieties I grew at Los Alamos included YELLOW SPOON, MISS GINA HARWOOD, SUNNYSLOPE SPLENDOR, GEORGIA HEDINGER, MELODY, PUNCH BOWL, QUAKER MAID, WATANBE, MRS. E. H. KIDDER, BUTTERBALL, MAJOR EDWARD E. BOWES, ORANGE BOWL, BEN LEIGHTON and OCTOBER RED. Blooming started there about September 27 with the last ones about October 15. Blooming dates in catalogs should be used only as a guide, as they will vary a week or two in either direction depending on regional location and seasonal weather conditions.

Since most of the large exhibition chrysanthemums are later blooming than some varieties of the cushion and smaller types it is possible that in areas with *very early frosts* it will be more practical to bypass the exhibition varieties in favor of the earliest of the smaller-flowered varieties.

This past season in Colorado was my first experience with the new and exciting Harvest Giant chrysanthemums but I believe they are

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the answer for an early, large-flowered variety for gardeners everywhere. They should bloom even earlier and better in locations where most exhibition varieties can be flowered before frost.

Varieties INDIAN SUMMER, SEPTEMBER SONG, RED SKIN, WHITE FROST and GOLD DUST, already pinched back once by the grower, arrived in peat pots and were planted in my garden May 20. This is late for this area. I would prefer to set them out earlier, under cover, to get the advantage of more growth for earlier pinching and more branching. These plants I could pinch only once, June 23, in order to give sufficient time for flowering by mid-September.

The plants were fed once a month with liquid plant food and grew to 2 feet in height. Those that were grown to a single stem and disbudded produced flowers of perfect form—6 inches across on INDIAN SUMMER and 5 inches on GOLD DUST. The pink SEPTEMBER SONG and WHITE FROST I did not disbud so they bloomed in clusters, yet the flowers were amazingly large —almost 4 inches across. RED SKIN, a deep red, flowered a bit later and in some years might not open outdoors here without some form of protection.

This year I plan to grow the three newest varieties in the Harvest Giant series: AUTUMN LEAVES, a soft apricot-bronze; GOLDEN ARROW, a clean bright yellow; and HIGH NOON, a creamy-white.

Another happy discovery I made this past season was the variety APACHE, a red-bronze with quilled petals. It flowered here the second week in September and was grown outdoors all summer in a pot and pinched only once, the end of June. It grew to 2 feet and was not disbudded, yet it bore blooms to 4 inches across.

In late fall, after flowering, I generally put a plant or two of each variety in the cold frame. Thus I am assured of the plants' living over the winter and in spring they will provide me with all the cuttings I need. Some varieties will live over without protection in some winters but I never trust entirely to fate—it's better to be safe than sorry.

—MARION BLACK WILLIAMS

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Spring bulb care

IT IS COMMON TO THINK of bulbs as brown, round things to be buried in the soil in the fall, enjoyed for their cheerful spring beauty and then ignored for another twelve months. Extra beauty and pleasure can be added to nearly all spring-flowering bulbs now.

Application of a complete, quickly available fertilizer to the bulbs each spring, as soon as their first eager leaves explore the chill air, will give greater vigor to the blooms of the current season and will extend the useful life of the bulbs. You can now buy fertilizers formulated especially for bulbs.

Mulching bulb plantings is neat gardenkeeping. In the spring a mulch will reduce the spattering of soil onto the dwarf bulb flowers. In the summer it will retain a more even temperature and moisture level around the sleeping bulbs. It will also lessen the temptation to gouge the soil deeply during summer cultivations and perhaps bruise or bisect the bulbs. Harsh winters will do less harm to bulbs that have been mulched.

Many gardeners are concerned about what to do after the bulbs have flowered. For a few weeks the leaves remain active, making the food that will provide the roots, leaves and flowers for the next year. The green leaves should be encouraged until they commence to dry and shrivel. Then the gardener's eagerness for neatness can be satisfied by removing the leaves at ground level. The fading leaves can guide the planting of perennials or summer annuals in the bulb area so you won't nick the bulbs with a trowel or planter.

The leaves of late-flowering tulips and narcissus may be made less conspicuous with small stakes and twist ties that will restrain their floppiness. The braiding of narcissus leaves will do no harm if the leaves are left exposed to light and if they are not crushed or bruised.

Animal damage to bulbs seems especially annoying when rabbits or squirrels nibble the fresh spring foliage or the flowers. Both animals can be repelled with sprayings of nicotine sulfate, prepared repellents, mothballs or paradichlorobenzene. Spring rains may wash away the repellents, so applications should be made frequently. Moles have been accused of eating bulbs underground, but they prefer worms, grubs and other carnivorous items. Mice, squirrels, chipmunks or gophers are more commonly the culprits; they may be eliminated by Warfarin baits. —E. DEXTER DAVIS

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Flower Grower, May, 1961

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Flower Grower, May, 1961

Flower Grower's Parade of

PLANT GLADIOLUS NOW!

For a beautiful display of America's most popular flower — plant easy-to-grow glads. As glad specialists for over 40 years we offer the newest and best varieties of top-quality bulbs, including the world famous Baerman Strain, at reasonable prices. We also have GREEN and BROWN Glads and other unusual varieties.

Here are just a few collections from our 1961 catalog. Save time by ordering now direct from this ad. All prices postpaid.

★ **Star Collection #1**
Large bulbs, unlabeled, 40 different varieties in the whole color range. 100—$6.50 (a large $1. bulb included free with 100) 50—$3.25, 30—$2.20

★ **Star Collection #1A**
Same as #1 except bulbs are medium size. 100—$4.50, 50—$2.25

• **Dark Collection #5**
All dark varieties. 100—$10, 50—$5.00

• **Giant Collection #10**
2 each of 12 of the largest and best (all labeled) 24 bulbs for only $4.00

Don't confuse the above collections with the ordinary seed house collections.

Order Gove Glads direct from ad or write for the best glad catalog published—70 varieties in color. (Enclose 25c to cover postage and handling on catalog—deduct 50c from first bulb order.)

Elmer Gove

ELMER GOVE
CHAMPLAIN VIEW GARDENS
Box 45, Burlington, Vermont

Spring Special!

POPULAR DAYLILIES

10 daylilies $3

All different! All labeled!

***Favorite* Garden Collection**
Any 6 for $5

Allan A Dale	Mabel Fuller
Calico Queen	Midwest Majesty
Crimson Glory	Neyron Rose
Evelyn Claar	Spring Fantasy
Jack Frost	Sweet Mystery
Lady Bountiful	Sunstar

FREE 1961 Descriptive Catalogue of **MODERN HEMEROCALLIS** Sent on Request

Minimum Order $3

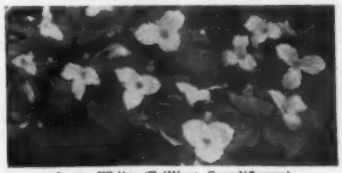
HARDY'S NURSERY
P. O. Box 126 Mount Olive, Ala.

SPECIAL OFFERS!

HARDY FERNS

1 Adiantum pedatum—(Maiden-hair Fern)
1 Athyrium felixfemina—(Lady Fern)
1 Polystichum acrostichoides (Christmas Fern)
$1.25 Value — Only $1.00

SPECTACULAR TRILLIUMS



Large White—(Trillium Grandiflorum)
Purple Trillium—(Trillium erectum)
Large White Trillium—(Trillium grandiflorum)
Painted Trillium—(Trillium undulatum)

1 each or 3 plants for $1.25

GLAMOROUS ORCHIDS

Showy Ladyslipper—(Cypripedium Spectabile)
Hardy Orchids you can grow in those Shady nooks—Height 10 to 16 inches
Cypripedium Acaule—(Pink Lady Slipper)
Cypripedium Pubescens—(Yellow Lady Slipper)
Cypripedium Spectabile—(Showy Lady Slipper)

1 each or any 3 plants for $1.75

Send at once for illustrated catalog listing Hardy Wildflowers and Ferns, Hardy Perennials and Rock Garden Gems.

LOUNSBERRY GARDENS

P.O. Box 135 • OAKFORD, ILLINOIS

IRIS

LANDSCAPING SPECIAL!

For spring bloom and colorful bloom year after year, plant an up-to-date collection of *tall bearded iris* at bargain prices.

RAINBOW COLLECTIONS

10 different varieties, labeled	3.00
20 different varieties, labeled	5.00
15 different varieties, unlabeled	3.00
30 different varieties, unlabeled	5.00

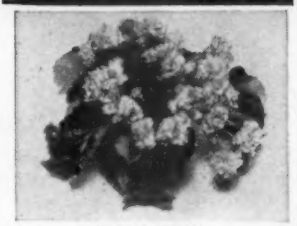
Some of the varieties in all Rainbow Collections — Argus Pheasant, Black Michael, Cascadian, Char-Maize, Illustrious, Lady Albright, Maytime, Pink Formal.

Hardy, freshly dug, top quality rhizomes, all wonderful performers. Postpaid in U.S.A.

Free Iris and Daylily catalog (no color), lots of specials.

PILLEY'S GARDENS
Box 425-F2 Valley Center, Calif.

African Violets



PASTEL SWIRL

NEW TINARI ORIGINATIONS $1.50 EA.
SPECIAL—4 FOR $5.75
Pastel Swirl, Regal Gold, Dbl. Pink Geneva, Green Fog, Fireball, Pink Parfait

FLORIFOROUS BEAUTIES $1.25 EA.
SPECIAL 4 FOR $4.50
Dbl. Clarissa Harris, Fairy Fr., Geneva Wonder, Kimberly, Lilian Jarrett, May Melody, Melody Air, Pink Darkie, Pink Fire, Pink Polka, Purple Pom Pon, Raspberry Pink, Red Maverick, Royal Chiffon, Sarnia, Wedding Ring, Wh. Pride Supreme, Zorro

POPULAR BEST BLOOMERS $1.00 EA.
SPECIAL—4 FOR $3.50
Afterglow, Blue Tango, Cherry Pink, Dbl. Green Beads, Dbl. Inspiration, Fr. Pom Pon, Fr. Snow Prince, Iris, Little Jewel, Pink Geneva, Purple Knight, Red Glow, St. Louis, Star Gazer, White Pride

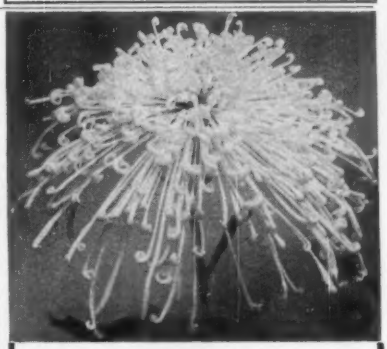
Orders of $3.75 or less add 45¢ postal charges, over add 65¢, West of Miss., 85¢.

We carry a full line of plastic pots & Violet accessories described in catalog.

Tinari GREENHOUSES

Free 1961 Color Catalog describing over 100 varieties.

BETHAYRES 3, PA.



Exotic Spider Mum

SPECIAL TRIAL OFFER of 12 distinctive named varieties:

6 Giant Exhibition Mums
6 Giant Spider Mums

FOR ONLY **$4.00**
AIR MAIL POSTPAID

(Calif. residents add 4% sales tax)

SUNNYSLOPE GARDENS
8638 Huntington Dr. (Dept. FG) San Gabriel, Calif.

Our 1961 colorfully illustrated Chrysanthemum catalog with growing instructions sent FREE on request

Use Coupons on Page 23 to Order From

Late Spring Mail Order Values!

IRIS—DAYLILIES

Big Bargains, Huge Plants

Plantings must be reduced immediately.

$4.95 buys 100 diff. unlabeled daylilies plus costly labeled extra. Strong blooming size plants! Want huge plants? Leaves long or short? You say! Unheard of bargain means Express charges collect! Buy now! Offers lower than bargain list sent all customers. **$2.95** buys 10 pink iris or daylilies labeled, our choice. Ppd. in U.S.A. **$2.95** buys same collection in: Red, Gold, Bronze, Patterned, "Black", or Many Colors.

Iris collections also in Blue or White.

You choose color. Variety hints welcome. Use Flower Grower ads: March, page 63; April, p. 43, also my Iris-Daylily classified ad.

More plants for $2.95 hints.

Iris		Daylilies	
Amandine	Beacon Hill	Admiration	Aladdin
Carabella	Blue Rhythm	Autumn Red	Amulet
Chivalry	Cascade Splendor	Aut. Forest	Baronet
Headlands	Casa Morena	Ballet Girl	Berwyn
Hit Parade	Cloth of Gold	Blanch Hooker	Brocade
Hi Time	Gold Sovereign	Brandywine	Carmello
Lady Mohr	Helen Louise	Black Hills	Debutante
Nora	Mayan Gold	Bl. Emperor	Duncan
Peg Dabagh	Mrs. Pattison	Bl. Magic	Fric Jr.
Raven Wing	Pink Salmon	Dawnplay	Empress
Rocket	Rich Raiment	Emp. Jones	Glory
Rodeo	Spring Romance	Hazel Sawyer	Kanapaha
San Antone	The Madhatter	Honey Redhead	Lady Fair
Sky Ranger	Twilight Sky	Mary Fuller	Lone Star
Summit	Woodmont Plume	Nina Winegar	Man O'War
		Pirate Sails	Port
		Scarlet Sunset	Princess
			Royalty
			Tamara

Gift plants with all immediate orders.

TOM CRAIG, R. 4, Box 315, Escondido, Calif.

NEW MAGIC CARPETS Produce Lovely Gardens with Thousands of Flowers!

1¢

Others charge **$1.00 each** for similar Floral Gardens but our price is only **1¢** for a full-size 15 feet by 8 inch garden when you buy another from us for 99¢ each or only **$1.00 for TWO** Magic Gardens! All you do is unroll your Magic Carpet and watch the flowers grow! Each "Carpet" is impregnated with more than 1500 seeds! Seeds can't wash or blow away. Before you know it you have a close-massed riot of prize-winning flowers—marigolds, petunias, asters, snapdragons, zinnias, etc.—more than 25 beautiful varieties in all. Each Magic Garden is different and is guaranteed to give you a gorgeous garden—or your money refunded. Send $1.00 (plus 25¢ for postage & handling or **$1.25** in all) for TWO different Magic Gardens. Order NOW! Enjoy the most gorgeous gardens in your town and listen to the favorable comments of your friends and neighbors!

GLORIOUS MINIATURE ROSE BUSHES at World's LOWEST PRICE 98c

Not $1.49

Here are the world's most unusual and beautiful plants—tiny (thimble size) Rose Bushes that produce perfectly shaped, lovely miniature Roses the year around. They grow no more than 8" x 12" tall! In winter, keep plants indoors, then when weather permits transplant outdoors. You will get breathtakingly beautiful miniature Roses **all year long** for years and years! So durable—reported to live up to 20 years. May be planted in solid beds of one variety or in mixed gardens. Or may be used as edging or border. Perfect for patios. Great for dainty cut flowers for the table or corsage. Others are charging $1.49 per bush right **NOW** but our price is **only 98c** per bush plus 12c extra per bush for pstg. & hdlg. or **$1.10** in all. Your choice of White, Pink or Red Roses. Order one or more of each! Money-back guarantee!

L & M Company, Nursery Division

Dept. RB-10, 415 N. 8th, St. Louis 1, Mo.

NURSERY STOCK SALE!

Shrubs, trees, vines, etc., fresh dug out of field. Every plant will be labeled. Planting instructions included with each order!

FLOWERING SHRUBS	
Bridal Wreath Spirea	$ .39 ea.
Pink Weigelia, 1 to 2 ft.	.10 ea.
Red Weigelia, 1 to 2 ft.	.29 ea.
Weigelia, Variegated, 1 to 2 ft.	.15 ea.
Spirea Van Houttei, White, 1 to 2 ft.	.15 ea.
Forsythia, Yellow, 1 to 2 ft.	.10 ea.
Pink Spirea, 1 to 2 ft.	.10 ea.
Pink Flowering Almond, 1 to 2 ft.	.39 ea.
Tamarix, Pink Flowers, 1 to 2 ft.	.39 ea.
Red Snowberry, 1 to 2 ft.	.12 ea.
Red Bush Honeysuckle, 1 to 2 ft.	.30 ea.
Red Flowering Quince, 1 to 2 ft.	.25 ea.
Persian Lilac, Purple Flowers, 1 to 2 ft.	.20 ea.
Hydrangea P.G., 1 to 2 ft.	.15 ea.
Mock Orange, 1 to 2 ft.	.12 ea.
Sweet Shrub, 1 to 2 ft.	.15 ea.
Rose Sharon, Mixed Colors, 1 to 2 ft.	.10 ea.
Althea Double Red, 1 to 2 ft.	.15 ea.
Japanese Snowball, 1 to 2 ft.	.59 ea.
Mallow Marvel, Mixed Colors	.15 ea.
Red Ozier Dogwood, 1 to 2 ft.	.10 ea.
Old Fashion Lilac, 1 to 2 ft.	.59 ea.
Althea Double Purple, 1 to 2 ft.	.15 ea.
Red Leaf Barberry, 1 ft.	.35 ea.
Green Leaf Barberry, 1 to 2 ft.	.15 ea.
Vitex Purple, 1 to 2 ft.	.19 ea.
Russian Olive, 1 to 2 ft.	.19 ea.
Pussy Willow, 1 to 2 ft.	.19 ea.
Pink Azalea, Native Collected, 1 to 2 ft.	.39 ea.
Spirea Thunbergii, 1 to 2 ft.	.19 ea.
Althea, Pink, 1 to 2 ft.	.19 ea.
Deutzia, White, 1 to 2 ft.	.12 ea.
EVERGREENS	
Glossy Abelia, ½ to 1 ft.	.25 ea.
Short Leaf Pine, Native Collected, 1 to 2 ft.	.19 ea.
American Holly, ½ to 1 ft.	.29 ea.
Cherry Laurel, ½ to 1 ft.	.29 ea.
Mountain Laurel, Native Collected, 1 ft.	.29 ea.
FLOWERING TREES	
Dwarf Red Buckeye, ½ to 1 ft.	.69 ea.
Magnolia Grandiflora, 1 to 2 ft.	.69 ea.
Magnolia Grandiflora, 3 to 4 ft.	1.49 ea.
Mimosa, Pink, 2 to 3 ft.	.15 ea.
Mimosa, Pink, 3½ to 5 ft.	.25 ea.
Tree of Heaven, Ailanthus, 2 to 3 ft.	.39 ea.
American Red Bud, 2 to 3 ft.	.25 ea.
Chinese Red Bud, 1 to 2 ft.	.49 ea.
Golden Chain Tree, 1 to 2 ft.	.98 ea.
White Dogwood, 2 to 3 ft.	.19 ea.
White Dogwood, 3 to 5 ft.	.39 ea.
Pink Flowering Dogwood, 2 ft.	1.20 ea.
Pink Flowering Dogwood, 3 to 5 ft.	2.95 ea.
Golden Rain Tree, 1 to 2 ft.	.49 ea.
Purple Leaf Plum, 2 to 3 ft.	.49 ea.
Red Flowering Peach, 2 to 3 ft.	.45 ea.
Red Flowering Crab, 2 to 3 ft.	.69 ea.
Tulip Poplar, Native Collected, 2 to 3 ft.	.49 ea.
Norway Maple, 2 to 3 ft.	1.49 ea.
Pin Oak, 2 to 3 ft.	.98 ea.
Sycamore, 2 to 3 ft.	.19 ea.
SHADE TREES	
Catalpa Fish Bait Tree, 2 to 3 ft.	.19 ea.
Chinese Elm, 2 to 3 ft.	.19 ea.
Weeping Willow, 2 to 3 ft.	.25 ea.
Silver Maple, 2 to 3 ft.	.15 ea.
Ginkgo Tree, 1 to 2 ft.	.49 ea.
Lombardy Poplar, 2 to 3 ft.	.12 ea.
Lombardy Poplar, 3½ to 5 ft.	.20 ea.
FRUIT TREES	
Elberta Peach, 2 to 3 ft.	.39 ea.
Belle Ga. Peach, 2 to 3 ft.	.39 ea.
J. H. Hale Peach, 2 to 3 ft.	.39 ea.
Yellow Delicious Apple, 2½ to 3 ft.	.49 ea.
Red Delicious Apple, 2½ to 3 ft.	.49 ea.
Stayman Winesap Apple, 2½ to 3 ft.	.49 ea.
Montmorency Cherry, 2½ to 3 ft.	.94 ea.
Keiffer Pear, 2 to 3 ft.	.98 ea.
Burbank Plum, 2 to 3 ft.	.49 ea.
Red June Plum, 2 to 3 ft.	.49 ea.
Damson Plum, 2 to 3 ft.	.49 ea.
Bruce Plum, 2 to 3 ft.	.49 ea.
Apricot Tree, 2 to 3 ft.	.49 ea.
VINES	
Rittersweet	.15 ea.
Red Scarlet Honeysuckle	.25 ea.
Concord Grape Vine	.29 ea.
Wisteria Purple	.29 ea.
NUT TREES	
Hardy Pecan Seedlings, 2 to 3 ft.	1.69 ea.
Butter Nut, 1 to 2 ft.	.39 ea.
Black Walnut, 1 to 2 ft.	.39 ea.
Chinese Chestnut, 1 to 2 ft.	.89 ea.
HEDGE PLANTS	
Evergreen South Privet, 1 to 2 ft.	.82 ea.
California Privet, 1 to 2 ft.	.86 ea.
North Privet, 1 to 2 ft.	.87 ea.
Multiflora Rose, 1 to 2 ft.	.10 ea.

Satisfaction guaranteed on arrival or we will either replace or refund your money. You may order as many plants or as few as you wish. Send 50¢ extra with order for postage and packing. NOTICE FREE—orders in the amount of $3.00 you get 2 flowering shrubs free our choice, orders $5.00 or more you get 4 flowering shrubs free our choice. Rush your order today. Say when you want shipment.

TO—SAVAGE FARM NURSERY

P.O. BOX 125-KE McMINNVILLE, TENN.

WHY DON'T YOU

treat yourself to hours of enjoyment this fall by planting the largest and most outstanding garden mums ever offered—

"HARVEST GIANTS"

The gardener's favorites and exhibitor's dream

The LUCKY 13—

GOLDEN ARROW, HIGH NOON, AUTUMN LEAVES, FULL MOON, INDIAN SUMMER, SEPTEMBER SONG, REDSKIN, GOLD DUST, PINK HAZE, JACK O' LANTERN, TOUCHDOWN, WHITE FROST, PUMPKIN—all distinctly different and exciting.

1 plant each of all 13 for only **$9.70**

Order today, you'll be glad you did

GRAND MERE NURSERIES

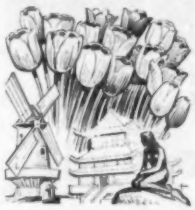
Route 4 Niles, Michigan

"The birthplace of "HARVEST GIANTS"

A postcard will bring you our illustrated catalog

SPECIAL PRE-SEASON OFFER

Order Now—Pay Later On Arrival For Fall Planting



100 TULIP BULBS

Only **$2.98**

LARGE SIZE Imported From

The Flower Centers of the World

Plan ahead. Mail this coupon now for fall delivery and get 100 LARGE SIZE TULIP BULBS averaging 4" circumference for only 3¢ a bulb! You'll receive vigorous selected bulbs grown in either Holland, Denmark or Japan or a mixture from any two or all three flower centers . . . in a rainbow assortment of dazzling reds, whites, orange, yellow, pink, two-tone, dark shades, etc. as available. Officially inspected. Certified healthy. Guaranteed to bloom first season and 5 years or replacement free.

FREE OF EXTRA COST—With every 100 Tulips we include 12 Dutch Muscari Bulbs (6 cm.) to plant this fall for early spring dainty blue flowers.

FULLY GUARANTEED—SEND NO MONEY

Make out your order on the coupon in back of this section and mail today. Or order by letter or postcard if you prefer. On arrival this fall at tulip planting time pay C.O.D. plus postage on guarantee you may return within 10 days for purchase price refund if not satisfied.

FREE FOR PROMPTNESS

Mail coupon before July 31 deadline date and receive extra bonus of 6 Imported Holland Star of Bethlehem Bulbs. (4 cm.)

100 Tulips (12 Muscari)	$2.98
200 Tulips (24 Muscari)	$5.89

Send C.O.D. plus postage

Cash Orders. Add 65c and we ship postage paid

Holland Bulb Co.—Dept. MF-1455—Holland, Mich.

These Advertisements!

Flower Grower's Parade of Late Spring Mail Order Values!

JIFFY-POT
MADE IN NORWAY
of long fibered peat

SHOCK FREE TRANSPLANTING. Plants are Jiffy-Potted "pot and all" with little or no "check" to root growth—no wilting or growth stoppage which is an inevitable part of other methods of transplanting. Earlier crops, heavier yields, and shorter production time results.

NOW AVAILABLE BY MAIL IN SMALL LOTS

BIG BARGAIN PACK

24 Pots—size 2¼" Round **$1.35**
24 Pots—size 3" Round **$1.95**

Price includes Postage and Packing

YOHO & HOOKER
Youngstown, Ohio

"WE SHIP SAME DAY"

A Better Garden
GUARANTEED

SOIL TESTS avoid disappointments and loss of plants, assure the best garden ever. A better garden or your money back!

It's Easy as Reading a Thermometer—no knowledge of chemistry needed. In just 10 minutes you'll know what soil lacks, what plant foods and how much to use; whether lime is needed and how much. It's fascinating, fun, and rich in garden rewards.

Brand New, Colorfully Decorated SUDBURY Horticultural Soil Test Kit

If gardening is your hobby, this handsome Soil Test Kit is made for you. Everything you need to make 150 tests for nitrogen, phosphorus, potash and pH (acidity). Colorful steel chest has carrying handle, weighs only 9½ lbs. Complete instructions. Shows plant food needs for everything you grow. **$18.95**

Green Thumb Kit—Beautiful "Jewel Box" Lucite Kit has everything for quick, reliable tests. For small gardens and lawns; makes 75 tests. Compact, lightweight, hinged top. Charts show needs of 200 flowers, vegetables, etc. Only **$9.95**

Super deLuxe Kit—For those who want the best—more and larger equipment; most economical to use. Size preferred by best gardeners, nurserymen, etc. Makes 300 tests. **$29.95**

FREE TRIAL—Use the kit for 10 days; if not satisfied, return for refund; your tests cost nothing.

TEST YOUR SOIL FREE!

Send No Money—Order C.O.D. (or send check and we'll mail postpaid, saving you 84c to $3.76 in postal fees).

Sudbury Laboratory **Box 1381 Sudbury, Mass.**

One of the BEST "Mail Order Values" Is Flower Grower's Complete INDEX For 1958 and 1959. To obtain it, send $1.00 to Flower Grower Index, 99 North Broadway Albany 1, New York.

Use Coupons on Page 23 to Order From These Ads!

BULB OF THE MONTH

Tulips

TULIPS are one of the best-known and loved of the spring bulbs. The list of varieties is long and tempting. Colors are legion.

There seems to be an unwritten rule that tulip varieties should not be mixed. Some gardeners even feel that tulips should be grouped in separate colors. Those

who try mixing colors and varieties will find rich enjoyment in the spring garden.

Tulip bulbs must be planted in the fall in well-drained rich soil with sun or light shade. The bulbs are planted about 5 inches deep, depending on size and variety. They can be grouped near trees and shrubs, in rock gardens, flower borders and in beds by themselves.—ALLIANORA ROSSE

•

Mrs. Charles U. Culmer, president of Girl Scouts of America, accepts a portrait of a Senior Girl Scout planting the GIRL SCOUT ROSE from Stevan Dohanos, noted artist. Elizabeth Ann Beardsley, the model, looks on.

FLOWER GROWER'S

Garden Events

May 2, Malden, Mass.—Annual Show, Community African Violet Club.
May 2-4, Woodbridge, Conn.—Course III, Fourth Flower Show School, Federated Garden Clubs of Conn.
May 3-4, Nashville, Tenn.—Flower and Garden Show, Tenn. Bot. Gdns.
May 4-6, Baltimore, Md.—Annual Show, West End African Violet Club.
May 6, Wilmington, Del.—Wilmington Garden Day, Shipley, at Eighth.
May 6-7, Yuma, Ariz.—Annual Meeting, Region 7, American Hemerocallis Soc.
May 6-7, Santa Monica, Calif.—Annual Show, African Violet Society.
May 6-7, Decatur, Ill.—Show, Illinois African Violet Soc., Hotel Orlando.
May 6-7, Bethesda, Md.—Annual Azalea Garden Tour, Landon School.
May 6-7, Boston, Mass.—Annual Show, Bay State African Violet Society.
May 6-7, Huntington, Long Island, N. Y.—Show, N. Shore African Violet Soc.
May 6-7, Muskogee, Okla.—Annual Iris Show, Jr. Chamber of Commerce Bldg.
May 7, San Francisco, Calif.—Spring Show, San Francisco Rose Society.
May 8-9, Cleveland, Ohio—Annual Show, Cleveland Saintpaulia Society.
May 10, Providence, R.I.—Spring Flower Show, The Dirt Gardeners.
May 11-13, Pella, Iowa—Tulip Festival.
May 11-14, Portland, Oregon—International Rhododendron Conference.
May 12, Cheyenne, Wyo.—African Violet Show, Cheyenne Garden Club.
May 12-13, Los Angeles, Calif.—Annual Show, Los Angeles African Violet Soc.
May 12-13, Baltimore, Md.—Annual Show, Baltimore African Violet Club.
May 13-14, Los Angeles, Calif.—Annual Show, International Geranium Society.
May 14-18, Philadelphia, Pa.—Annual Meeting, National Council of State Garden Clubs.
May 17, Providence, R. I.—Tulip Fete, Perennial Planters Garden Club.
May 18-20, San Carlos, Calif.—Flower Show, Civic Garden Club.
May 18-21, Spokane, Wash.—Flower Show, Washington State Federation of Garden Clubs.
May 19-21, Lexington, Ky.—Open House in Kentucky, Garden Club of Ky.
May 20, Reno, Nev.—Flower Show, Garden Clubs of Reno.
May 20, Kansas City, Mo.—Iris Show, Greater Kansas City Iris Society.
May 20-21, El Dorado, Kansas—Spring Flower Show, El Dorado Garden Club.
May 20-21, Lewiston, N. Y.—Flower Show, Niagara Co. Garden Clubs.
May 20-21, Arlington, Va.—Annual Show, Arlington Rose Garden Fdtn.
May 25-26, Portland, Ore.—African Violet Show, the Saintpaulians
May 26, Newark, N. J.—Annual Meeting, American Iris Society.
May 26-27, Mount Vernon, Va.—Spring Flower Show, Woodlawn Plantation.
May 27, Molalla, Ore.—Spring Flower Show, Audubon Garden Club.
May 27-28, Fort Dodge, Iowa—Spring Flower Show, Federated Garden Clubs.
May 27-28, Brookings, Ore.—Spring Flower Show and Azalea Festival, Garden Club of Brookings.
May 27-28, Chugwater, Wyo.—Tulip Festival, Pioneer Garden Club.◈

"Harvest Giant" Mums* T.M.

...FOOTBALL MUMS FOR YOUR GARDEN!

You can grow these 5" to 6" beauties right in your own garden . . .

EARLY FALL FLOWERING—among the earliest of all garden mums. Many begin to bloom in mid-Sept. and continue on until killing frost.

BRIGHT FALL COLORS—deep golden yellows, bronzes, pinks, red and white. Lovely as single accents, breathtakingly beautiful in masses.

STURDY HABIT—rival greenhouse types for bouquets, corsages or dazzling arrangements.

ASK FOR HARVEST GIANTS AT PLANT DEALERS EVERYWHERE

GENERAL SPRAY World's Largest Lawn and Garden Spray Service offers Protected Franchise Territories.

Get Into This BOOMING NEW BUSINESS
At Least 30 Weeks a Year Good Operators

EARN $300 WEEKLY

We GUARANTEE You Too Will Be Satisfied With Your Earnings or We Buy Back This Equipment

Only $3,850 down buys fully equipped truck that can gross over $30,000 yearly. Excellent net return. GSS, only nationwide lawn and garden spray service, GUARANTEES you'll be satisfied with this business and your profits from it, or we buy back this equipment at a fairly depreciated price. Start NOW while best territories are still available.

NO EXPERIENCE PREFERRED

We teach you quickly, proven GSS methods that save customers big money, yet make big profits for you. Revolutionary new "Hydramatic" Lawn and Garden Machine services lawns, gardens, shrubs, trees, for as little as $1.75 weekly. Kills crabgrass, weeds and limes; fertilizes, seeds, and destroys over 200 pests.

GENERAL SPRAY SERVICE, Inc. Dep FG5
General Spray Bldg., Katonah, N. Y.
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CHOICE DISTRIBUTORSHIPS AVAILABLE

MALATHION INSECTICIDE MAKES YOUR GREEN THUMB GREENER

Protect your whole garden . . . with this one powerful insecticide

TOM MOORE TRACTOR INC.
FARM-ETTE
MANTUA OHIO-U.S.A.

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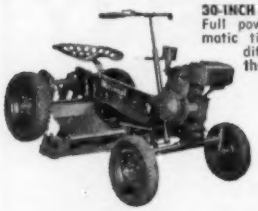

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Guide to Better Lawns

You can start a lawn now

by R. MILTON CARLETON

IN MAY AND JUNE, thousands of new homeowners will be busy putting in a new lawn. At this season warm weather has begun and conditions are not the most favorable for the growth of permanent lawn grasses. For this reason homeowners are often poorly advised not to seed such grasses but to put in a temporary turf such as ryegrass.

There are several reasons why this is not sound advice. True, ryegrass will produce a lush green turf the first year, even better than one from desirable permanent grasses. When the time comes to plow under this temporary lawn in early August, the homeowner just doesn't have the heart. He allows it to remain and nine times out of ten it is dead the following spring.

Economically, a temporary lawn is poor business. If it is to be worth anything, the surface must be prepared as carefully as for a fine blue grass turf. Some fertilizer will be needed and at least 6 pounds of ryegrass seed to 1,000 square feet should be used. This is not a cheap lawn by any means and when it will be in use for only a month or two, obviously it is a waste of money.

Horticulturally, it is equally unwise. Even if so-called perennial ryegrass is sowed, chances are poor that any of it will survive the first winter in blue grass country—roughly north of the Ohio River and east of the Great Plains. Although the ideal time to seed blue grasses and fescues is in mid-August, and spring-sown lawns of permanent grasses require more care, seeds of these grasses can be planted any time between early spring and the first of October and be made to grow satisfactorily!

The important element in success of spring- and summer-seeded lawns is watering. Once the seed is sown, it must not be allowed to dry out until young seedlings are at least 2 inches tall. Do not expect to cover the area by sprinkling or by moving a sprinkler from place to place. Buy or borrow enough sprinklers and hose to cover the entire area, setting them so that you can water the entire lawn without them having to be moved.

When air temperatures are below 80°, turn on the water for 20 minutes in the morning and 30 minutes at night. When they soar above 85°, an additional 20-minute watering at noon will cool the soil and keep it from drying out. Watering will not be necessary if enough rain falls, but a light shower is not enough to provide all the water needed.

One mistake in planting a spring lawn is sowing a single species or variety of grass. For example, while Merion Kentucky blue grass probably combines as many good qualities as any grass in commerce, it is slow to start in spring and might be crowded out if seeded alone. Instead, use a mixture of several grasses, including a high percentage of the new improved blue grasses, each with some desirable quality that will reinforce the weak points of the others. Such a mixture will come up quickly and form a sod. It will adjust to weather, soil and moisture conditions, allowing one or more of the grasses to dominate until the others can catch up.

Although the stand of grass may seem thin, don't neglect mowing. As soon as new seedlings are 2½ inches tall, cut with a sharp mower set at a height of 1½ inches. Remember that until these seedlings are forced by mowing to produce a crown, no sod will be formed.

If the soil was heavily fertilized before seeding with one of the newer ureaform fertilizers, no additional feeding should be needed the first year. If one of the other high-nitrogen lawn foods was used, an additional application in fall will help produce a thicker turf for winter.◈

Flower Grower's HEALTHY GARDEN CLINIC

You can easily outwit garden pests and have a healthy garden when you arm yourself with this up-to-date information on prevention, control and equipment. On page 31 you will find answers to the most often asked questions on garden pests.

Prevent trouble with good culture

One sure way to help keep your garden healthy is to give plants proper nutrition, water and other cultural care. Plants that are well fed and watered seem less prone to insects and disease.

When watering, try to confine the water to the soil rather than wetting the entire plant. This will help prevent the spread of any disease that might be present. A good mulch will help to conserve moisture and prevent splashing of water. If you sprinkle overhead do so at a time when the foliage will dry quickly.

Plenty of space between plants allows for good air circulation and this helps prevent disease. Keeping weeds removed from in and around your garden will not only improve the appearance but will also help control pests as many weeds actually attract insects to the garden.

Fall cleanup is also a good preventative measure. Many insects and diseases live over the winter in dead or decaying parts of plants. Remove the debris and you will also remove many pests.

Always burn all diseased plants or portions of plants that you remove from the garden. Do not add these to the compost pile.

No need to know all the bugs by name

It is not necessary to know the name and symptoms of every insect and disease that you encounter. This is because the modern combination sprays and dusts are designed to control most insects and diseases that are found in the average garden.

If, on the other hand, you prefer to know exactly what insect or disease you are battling, there are many good sources to help you. And there are times when proper identification is of great importance in selecting the right pesticide and in timing the application. First check catalogs or your nurseryman who is usually familiar with local problems. Then there are books devoted to certain plants like roses, iris and day-lilies and these give information on disease and insect identification for these plants. Two excellent reference books you can buy or consult at your library are *Plant Disease Handbook* and *The Gardener's Bug Book,* both by Cynthia Westcott. Then, too, state agricultural stations issue many bulletins on specific pest problems as does the U.S. Dept. of Agriculture.

Keep an eye on the weather

When weather conditions are good for growing plants they may also be just right for insects and diseases. A daily walk about the garden is one of the best ways to observe trouble in the early stages.

Diseases, in general, thrive in moist, humid conditions. Therefore, be especially alert during warm and rainy weather. Cold wet weather in spring is also right for some fungus, notably botrytis on peonies and tulips. In these instances, spraying as the plants emerge from the ground and weekly until flowering is recommended.

Since the spores of most fungous diseases start growing only when the leaves are wet, any spray should be applied *before* it rains so that the killing chemical is on the wet leaves to prevent spores growing and infecting the plant. This, of course, is not always practical, so the best alternative is to apply the fungicide as soon after the rain as possible.

When the weather is hot and dry some insects thrive and multiply rapidly. Watch particularly for red spider mites on the undersides of leaves, phlox for example. They are fairly small but it is easy to see their

telltale webbing. Leaves infested with red spiders generally turn yellow. If discovered, spray immediately and repeat at weekly intervals.

Read the directions on the packages you use. Some ingredients should not be used during the hottest part of the day or when temperatures are low. Liquid fungicides are best applied when the leaves will dry quickly.

Spray and/or dust your plants

Whether you spray or dust is largely a matter of personal preference. The most important thing is to get the pesticide on the plant.

Spraying, some feel, gives a better coverage than dust. But spraying means mixing the material with water, which can be messy and time consuming. Also, when you walk about the garden you carry the sprayer filled with liquid and this can be heavy if you have several gallons.

Dusting, on the other hand, is much more convenient in that you do not have to mix materials and you carry only the light duster and dust. The disadvantages are that it is quite difficult to dust the top of even small trees and you must dust in the early morning when the dew is still on the leaves and at a time when there is no wind. (It is also best to spray when air is calm).

Most gardeners make use of both spraying and dusting, selecting the method best suited to the specific needs and conditions.

Good equipment is a great help

The key to easy and correct application of pesticides is having the right equipment.

The pressure sprayer is a popular choice among home gardeners. It is available in 1- to 4-gallon size and is pumped to build up pressure inside; this propels the liquid in a fine spray. Many have adjustable nozzles and others are mounted on wheels for easy moving through the garden.

Hose-end sprayers are very convenient and take less energy than pressure sprayers. These consist of a jar, usually quart size, that is attached to the end of the hose. The spray material is put in the jar and the hose turned on. The spray material mixes with water and is propelled by the pressure from the hose. Hose-end sprayers are particularly good for spraying small trees as the full water pressure enables the spray to travel far.

For a very large garden a power sprayer is a big help. Most are powered by a gasoline engine but some have an electric motor. Because they build up a high pressure and thus emit a fine spray, they give excellent coverage and are very economical of material.

Among dusters the choice of most gardeners is the rotary. You turn a handle which operates a fan that pushes out the dust. For small dusting jobs the plunger arrangement—sometimes incorporated in a package of dust—can be used to advantage.

Something new, to home gardeners at least, is a powered mist blower. This uses liquid that is emitted in a dense fog.

For touch-up treatment, make use of the combination pesticides that come in pressure or aerosol cans. As these are relatively expensive and cannot give complete coverage on large plants they are not suited to extensive areas. Indoor gardeners find them ideal for house plants. Do follow directions on container.

Be thorough

When you spray or dust make certain that the material covers the leaves and stems. This means that you will have to angle the nozzle of your sprayer or duster to get at the undersides of leaves.

In some instances it may be necessary to add a sticker-spreader to sprays. A spreader has no killing qualities but merely breaks up the droplets so that they flow evenly over the surface. This is specially necessary on shiny-leaved plants. A little detergent in the spray can be used for a spreader. A sticker helps a spray to adhere to the leaves after rains, and in rainy seasons or regions is very desirable.

Always wash your hands thoroughly after spraying or dusting and store pesticides out of the reach of children or pets.

Follow a schedule for spraying or dusting

The easiest way to keep your lawn and garden insect- and disease-free is with a regular spray or dust program. Treatment every week or ten days—especially of roses—is a good general practice.

When possible start your program before you see any signs of damage. This is especially true in the case of fruit trees where the ideal program starts with the first application at blossom time. Naturally you can't anticipate all troubles nor would it be wise to spray everything indiscriminately "just in case." But if you have had certain insects or diseases one year on a given plant take preventative measure in time the next year. And remember that one treatment is seldom enough for complete control so be persistent.

Combination materials great help

Not too many years ago the only way to control insects or diseases was to buy a specific material for each pest. Not only did this demand a great deal of knowledge on the part of the gardener, but there was also the danger of using two materials that didn't "mix" together and so injured the plant.

Today these problems are solved by manufacturers and their research scientists. The combination sprays and dusts are formulated to control all the common insects or diseases of a particular plant or group of plants and some control both. They contain materials that are compatible and there is no danger of their burning or damaging the plant if directions are followed.

Combinations are available for a number of garden plants. Some of the most-used ones are those for roses, fruits, vegetables, general garden flowers and house plants.◈

HEALTHY GARDEN CLINIC

Q and A on Fifteen Common Garden Pests

Q. Each spring I start seeds in a cold frame. When plants are 1 inch high many of them rot at soil line. How do I prevent this?

A. This is damping off, caused by a fungus. Dust seed before planting with disinfectant (Arasan) or use soil drench.

Q. Here in Florida the flowers on azaleas sometimes become limp and slimy. Why is this and how can I keep it from happening?

A. Flower blight, caused by a fungus, is particularly troublesome in warm, humid weather. Start spraying with Dithane or Parzate when flowers first show color; repeat every 3 days. Continue for 4 to 6 weeks. Burn infected flowers.

Q. Both my euonymus vine and lilac have oyster-shaped scales on the stems. Are these injurious and if so how do I get rid of them?

A. This scale protects the eggs of an insect that can cause damage. Eggs hatch in late spring and again in early fall. When crawlers are seen, spray with malathion. Good control can also be had with dormant oil spray.

Q. Both my rhododendron and mountain andromeda (Pieris) leaves show yellowish stippling on upper surface with red-to-black specks underneath. Occasionally I see an insect on undersurface with lacelike wings. How can I rid the plants of this insect?

A. This is lace bug. Spray as soon as noticed with lindane or malathion. Cover undersides of leaves and repeat if necessary.

Q. On many of my plants—roses, annuals, lilies—I find lice-like insects clustered about the tip of young shoots. How are these best controlled?

A. These are aphids, which suck plant juices. Use all-purpose spray or dust or malathion, nicotine sulfate, pyrethrum, lindane or rotenone. Repeat every 10 days to keep new growth covered.

Q. Leaves and flower spikes of my delphinium become black and distorted. Buds fail to open. How is this controlled?

A. Minute creatures, hardly visible to naked eye, are responsible—cyclamen mite. Start spraying in early spring with dimite or rotenone or use all-purpose spray.

Q. I find silvery white streaks on the flowers and leaves of my gladiolus. Flowers often open imperfectly. What causes this?

A. Thrips feed on leaves and flowers. Spray or dust with DDT, chlordane, lindane or malathion from the time shoots emerge until flowering. Treat corms after harvest by dusting with DDT.

Q. Buds on peonies and tulips sometimes fail to open. Is this lack of fertilizer or a disease?

A. This is caused by fungus, a botrytis. As soon as shoots poke through ground, spray with ferbam, Bordeaux or all-purpose spray. Repeat four times at 10-day intervals. Burn any affected shoots or buds.

Q. Here on Long Island, N. Y., I am plagued with pine mice. These are smaller than meadow mice, with a very short tail. They feed below ground whereas meadow mice feed at surface. I lose bulbs, particularly tulips and lilies, as well as rhododendrons and fruit trees. What can I do?

A. Poison bait seems best means of control. Use any rat or mouse bait containing Warfarin. Place in protected containers in or near the underground runs. Replenish until all activity ceases. You can also make bait from pieces of apple or sweet potato. Cut in cubes and cover with a mixture of equal parts strychnine and baking soda. Drop in runs; use while fresh. Handle with care as strychnine is poison.

Q. I would like to rid my flagstone terrace of ants. They also feed on peony buds. What shall I use?

A. Ants don't actually feed on the buds but they may spread disease. Treat soil about plants and area between flagstones with chlordane.

Q. Some seasons foliage of my phlox becomes covered with a white powdery substance. This generally occurs in August when the weather is humid. How is this best prevented?

A. This is powdery mildew, a fungous disease. A general-purpose dust or spray containing sulfur, Karathane or ammoniacal copper carbamate, or a spray of the antibiotic Acti-dione PM are recommended. A new copper base material in liquid form, developed especially for roses, will be sold this year under the name of Mildex. It is also reported effective against mildew on phlox, begonia, chrysanthemum and dahlia.

Q. Leaves of my roses start to fall in early summer and by late summer plants may be bare. I note circular black spots on upper surface of the leaves. What do I do wrong?

A. This is the most common trouble with roses. Known as black spot, it is caused by a fungus. Use a general rose spray or dust. Start when leaves first appear and continue every week or ten days until late fall. Keep all dead leaves removed. One or more of the following ingredients are in most rose sprays and could be used separately against black spot if desired: captan, Dithane, ferbam, Zineb, sulfur, Zerlate and phaltan.

Q. The leaves of my birch tree turn yellow, then brown in early summer. Finally they drop off. I have been told that this is caused by an insect, leaf miner, but when should I spray and with what material?

A. Several materials are effective. Diazinon gives good control. Other materials include malathion, chlordane and lindane. Apply in spring as soon as blotches first appear. For the second brood of insects spray 5 to 6 weeks later. If tree is large it may be best to call in a professional sprayer.◆

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NEW TROJAN
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FOOL-PROOF centrifugal fibreglass pump — resists all chemicals — self lubricated.

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Directory of Sprayers,

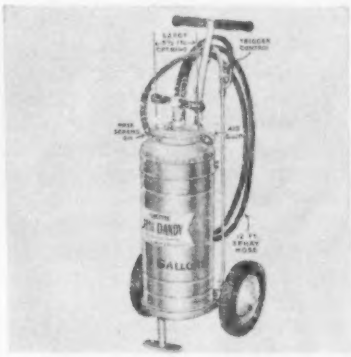
Du Pont Sprayer—Each Du Pont chemical is keyed to this sprayer by a simple nozzle identification sticker. Circle 1 on coupon page 35.

Trojan Sprayer 2020—New centrifugal lifetime pump made of tough fiberglass is featured. 10-gal. capacity. Circle 2 on coupon page 35.

Hudson Suburban—Piston pump delivers 2½ gals. per minute. Constant mechanical agitation; smooth operation. Circle 3 on coupon page 35.

Hayes 6—Sprays full 6 gallons of insecticide. Easily held in one hand. Long nozzle reaches under plants. Circle 4 on coupon page 35.

Redimix—The 2-in-1 model sprays lawns, flowers and trees. Attaches to any garden hose. Plastic bottle. Circle 5 on coupon page 35.



Jim Dandy—Pressure sprayer with 5-gal. capacity. Large opening for easy filling. 12-ft. spray hose. Circle 6 on coupon page 35.

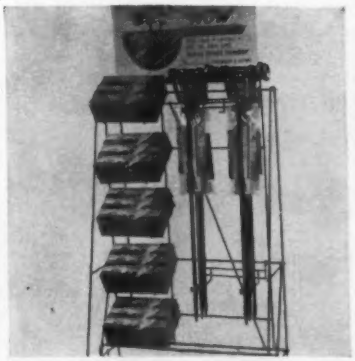
Garden Pesticides

Gray's Iris Borer Control—An insecticide prepared especially to combat the iris borer. Pint and quart sizes. Circle 7 on coupon page 35.

Spectracide—A Diazinon emulsified concentrate formulated especially for gardens—flowers, fruits, lawns. Circle 8 on coupon page 35.

Noxem Garden Spray—Formulated for control of almost all garden pests on ornamentals and around home. Circle 9 on coupon page 35.

Isotox—A multipurpose spray for control of aphids, red spiders, thrips, white grubs, ants and others. Circle 10 on coupon page 35.



Ross Root Feeder—Available are a full range of plant foods for use with feeder. Also used for watering. Circle 11 on coupon page 35.

Eveready—A full line of garden insecticides for every purpose. New this year is Ant & Roach killer. Circle 12 on coupon page 35.

HELP YOUR ROSES!

When you see these danger signs, give fast first-aid with ORTHO Rose Dust

APHIS suck life from new shoots and flower buds, attract ants, can even cause fungus growth. **Lindane** in ORTHO Rose Dust gives excellent APHIS control.

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250 lbs. pressure.
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Directory of

Black Leaf 40—The original nicotine sulphate garden spray. Kills aphids, thrips, all sucking insects. Circle 13 on coupon page 35.

Pratt's Insect Spray—Powerful all-purpose spray. Kills pests of trees, evergreens, ornamentals, lawns. Circle 14 on coupon page 35.

Dubl-Deth—This insecticide controls sucking and chewing insects. Leaves no unsightly residue. Circle 15 on coupon page 35.

Pesticides

Squeeze 'N Weed—A 2,4-D and 2,4,5-T killer for broad-leaved weeds. Used as a spot killer. One of complete line. Circle 16 on coupon.

Magic Stump Remover—When poured in hole in stump, decomposes all the way to the tips of roots. Circle 17 on coupon below.

For More Information

Circle the appropriate numbers below for detailed information on the products in this Directory of Pesticides and Spraying Equipment.

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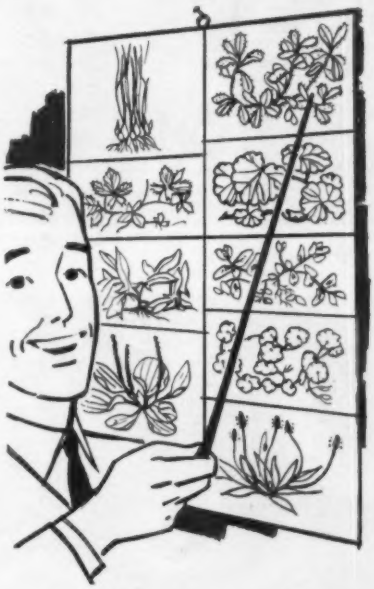
Kills more lawn weeds than any other weed killer!



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If you can't identify the weeds in your lawn by name, stop worrying about special weed control formulas. Get Weedone!

New Weedone with Silvex kills chickweed, henbit and prostrate spurge, in addition to dandelion, plantain and more than 100 other weeds and woody plants.

You save labor, save time because Weedone does the job requiring two or more ordinary weed killers. It actually costs you less than many ordinary weed killers. You can depend on Weedone!

For a weed free lawn insist on—**NEW WEEDONE with SILVEX**—made by AMCHEM PRODUCTS, INC., originators of 2,4-D and 2,4,5-T Weed Killers.

EASY TO APPLY—LIQUID OR DRY!

Still the same low price—8 oz. can (liquid) only $1.00; 5 lb. bag (dry) $2.25 (larger sizes available).

WEEDONE SPOT GRASS KILLER

Are unsightly grass spots (Muhlenbergia, Dallas Grass, etc.) destroying the beauty of your lawn? Kill them with Weedone Spot Grass Killer! You can reseed almost immediately (2 to 3 weeks) and have a beautiful lawn for the remainder of the season. Available in big 16 oz., ready-to-use aerosol spray container.

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by DOROTHY LOA McFADDEN

From every room, from every window, COME SEE MY GARDEN

COME SEE MY GARDEN! Yes, I know it's raining hard outside, but we'll just walk around in the house and look out of all the windows. When we planned our ranch home, looking out over the New Jersey hills, we also designed the man-made pictures close by, under each of the windows all the way around. You'll see—it's like an art gallery of framed flower paintings—only these pictures change constantly from April to November.

Let's start here in the living room, sitting on the couch facing the big picture window with its view of green hills and shadowy valleys. We never tire of the changing colors of the fields and woods through the seasons. But it is restful to look closer, too, at our own grassy terrace and the flowers that frame it. Early in the spring there are clumps of narcissus under those corner birches and in front of the low evergreens. Right now there is a lot of yellow—my favorite color. All our flower beds are planned in shades of gold, salmon, blue and purple, with some cool white here and there. Those low shrubs at the terrace corners? They're potentillas

PHOTOGRAPHS FOR FLOWER GROWER BY MOLLY ADAMS

From our bedroom, you can look right down on this little goldfish pool and its water-lilies. I took special pains in planning the outlook from all the bedroom windows because I've had to spend so many weeks of my life flat on my back looking at blank walls.

From the guest room window, you can look out at a big old apple tree. When it is in bloom, and the rock garden under it is at its best, our guests hate to leave this room.

Opposite page: From the living room bay you can get a full view of the large perennial bed at the front steps as well as the flowering shrub borders that face it across the lawn. Here the spring edging is of scilla, tulip species and doronicum. That fragrance? That's old-fashioned garden-heliotrope. Later there will be lots of nicotiana, too, to sniff while we sit on the porch. Clumps of chrysanthemums and day-lilies keep this flower picture interesting into fall.

Turn page

In the kitchen, from this smaller picture window over the sink, our terrace area has given me an unexpected dividend for which we cannot take planning credit. By extending the terrace to give access to it from the dining room door we placed this big flower border directly under the kitchen window.

Sitting on the couch in the living room, you face the big picture window with its view of green hills and shadowy valleys. We never tire of the changing colors of the fields and woods through the seasons. But it is restful, too, to look closer at our own grassy terrace and the flowers that frame it.

and they keep on with their little buttercup blossoms all summer long. The edging of dwarf marigolds we bought in flats from a nursery and they won't stop blooming until we have a really heavy frost. The marigolds, with the chrysanthemums, keep these beds brilliant all during the fall.

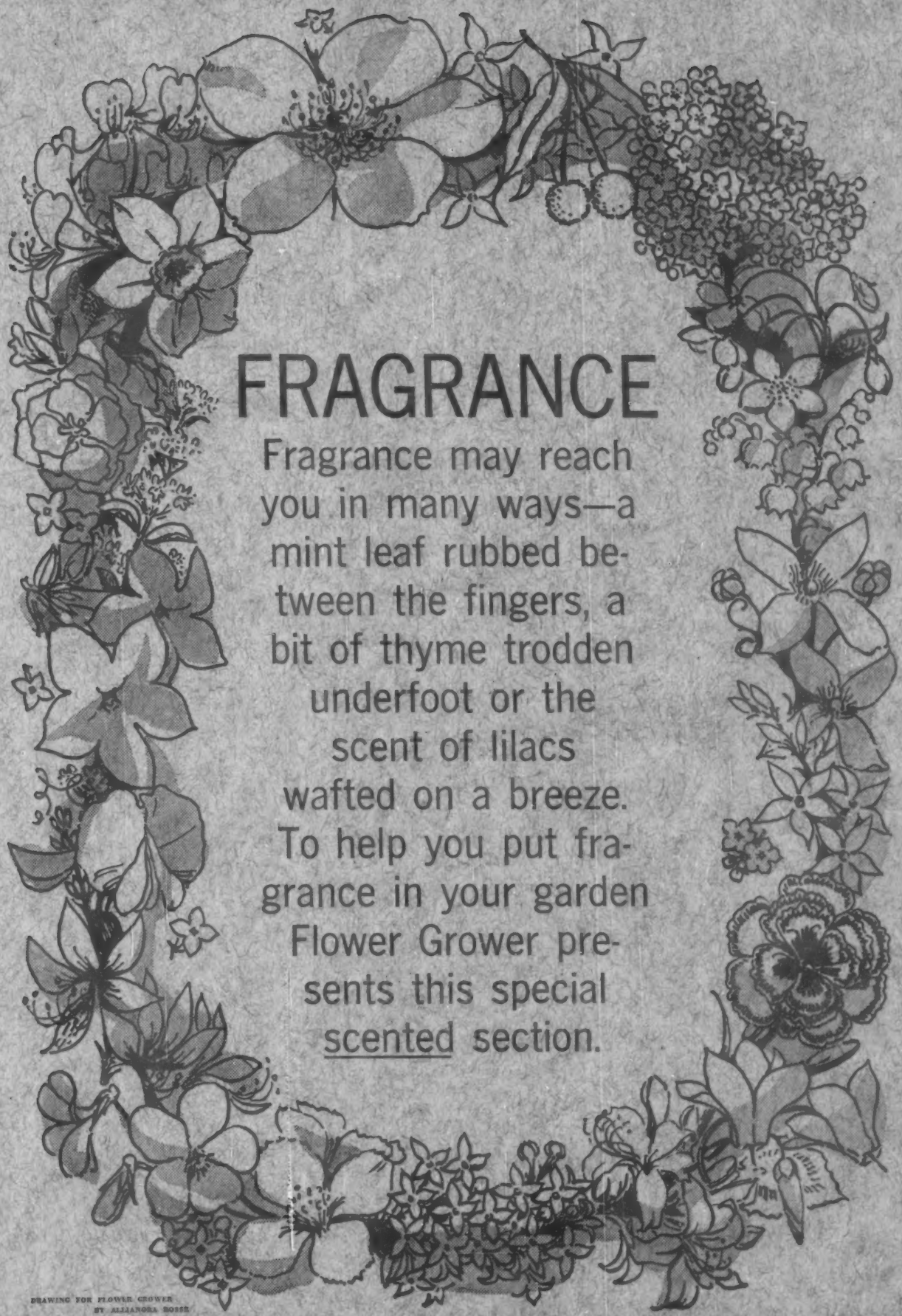
I'm sorry you couldn't see the dogwoods in flower at that corner, and the little "fence" of dwarf iris that blossomed earlier behind the marigolds. But you're really seeing the terrace beds at their best right now. The bearded iris at each side are beautiful, aren't they? When they are finished, the day-lily clumps will begin their long season. Some of these are night bloomers; they open at sunset and stay open all the next day. We turn the floodlights on them at night and enjoy them all evening.

Now let's walk on through the house: here by the dining room picture window we sit at meals looking out at the same terrace views from a slightly different angle. The lighted birches and day-lilies are particularly lovely from this spot at dinnertime.

In the kitchen, from this smaller picture window over the sink, our terrace area has given us an unexpected dividend for which we cannot take planning credit: we extended the edge of the terrace merely to give access to it from the dining room door, but by doing so, we placed this big flower border directly under the kitchen window! So I enjoy the iris and the other flowers that follow while I work at the sink. I never can decide which view of the iris is the prettiest. See, we get a big picture of it from our screened-in breezeway, too!

You wish you could live in our guest room forever? You're not the only one who has said that. Last month a friend of ours was convalescing here, and she got great pleasure from the views as she lay in bed. The big old apple tree was in bloom then, and the rock garden under it was at its best. She could even watch a pair of bluebirds make their nest in that bird house. But right now, I think the side window is the main attraction. The big

Continued on page 72



FRAGRANCE

Fragrance may reach you in many ways—a mint leaf rubbed between the fingers, a bit of thyme trodden underfoot or the scent of lilacs wafted on a breeze. To help you put fragrance in your garden Flower Grower presents this special scented section.

DRAWING FOR FLOWER GROWER
BY ALLIANORA ROSSE

Follow fragrance through the year in the

Scented Garden

by MARY McFARLAND LEISTER

Very early in the eighteenth century an eminent bulb grower of Holland remarked of his flowers that "smell gives them no beauty," and this sentiment, somewhat unfortunately, has been the guiding opinion for hundreds of plant breeders who in their zeal to improve the color, form, size and substance of their blossoms have all too often lost the elusive, indescribable spirit-being of a flower—its fragrance.

Though indescribable, intangible and often debatable, fragrance has a definite effect on the human spirit; and he who has ever experienced the intoxication of an apple orchard on a May morning, or the tingling excitement of a grapevine in full bloom, or the enveloping fragrance of the tea olive on a southern winter day is never apt to underrate the value of a scented garden.

But though a rose bower no longer announces itself to the nostrils from half a block away, and lilacs must be sniffed at just the proper hour, and sweet peas are mostly to be looked at, we can have fragrance, real fragrance, in our gardens almost the whole year through.

February opens the season of scented gardening slowly and possibly unwillingly, but, if the gardener has planned well, here and there in warm and hidden corners fragrant blossoms are opening.

In some sheltered sunny spot the not quite believable *Iris danfordia* rewards the kneeling gardener with a perfume that is earthy, sweet and faintly spicy. In a well-protected corner, or perhaps on the indecorous but comfortable edge of a compost pile, the sweet-scented violet, *Viola odorata semperflorens*, opens its pinkish-lavender blooms; and peeping from under the violet leaves is the tiny crimson *Cyclamen coum* whose delicate scent is almost as elusive as the violet's own.

But not all February perfume must be found on the knees. The two spicily fragrant oriental witch-hazels, *Hamamelis mollis* and *Corylopsis pauciflora*, open their twisting yellow ribbons of bloom on strong tall stems; and the shrubby honeysuckle, *Lonicera fragrantissima*, may grow 8 to 10 feet tall.

Jasminum nudiflorum opens its scented yellow flowers where it sprawls on a sunny bank, and two small shrubs, the pinkish-red *Daphne mezereum* and the white *Abeliophyllum distichum*, hold their sweetly fragrant blooms reasonably high.

The winter of February and early March turns into spring and the violet-hued, violet-perfumed *Iris reticulata* blooms beneath the white and sweetly scented *Arabis albida*. Violet scented, too, is the snowflake, *Leucojum vernum*, growing in drifts beneath shrubbery and trees.

Of the large trumpet narcissus, AEROLITE, PRESIDENT LEBRUN and MRS. R. O. BACKHOUSE are notably perfumed. *Narcissus tazetta (canaliculatus)*, a delightful little miniature, is sweetly scented, and W. P. MILNER has the fragrance of the cowslip. THALIA, a triandus hybrid, is heliotrope-fragrant in its strange and lovely whiteness. Poetaz and poeticus narcissus are highly fragrant, and the jonquils and the campernelles are sweetly perfumed.

The enchanting fragrance of the sweet scented hyacinths is one of the joys of springtime. I know of no variety that is not possessed of a heavy spiciness relieved by just a touch of balsam.

To enjoy the fragrance of the Oregon holly-grape, *Mahonia aquifolium*, we must bury our noses in its chartreuse-yellow blooms, but the 12-inch *Daphne cneorum* is not chary with its charms, and the air is filled with the heady perfume of the fragrant viburnums, *Carlesi*, *Burkwoodi* and *carlcephalum*.

The lilac species, *Syringa meyeri*, *S. sweginflexa* and *S. microphylla superba*, are superbly scented, and of the earlier blooming French hybrids, four fragrant favorites are LUDWIG SPAETH, VESTALE, PRIMROSE and PRESIDENT GREVY.

And of the mock-oranges (philadelphus) with a hint of jasmine in their sweet, pervading fragrance, try INNOCENCE, BELLE ETOILE and ENCHANTMENT.

The 5-foot daphne SOMERSET is something special in garden-filling fragrance, and two shrubby honeysuckles, *Lonicera syringantha* and *L. thibetica*, do their scented share. Another honeysuckle, *Lonicera Heckrotti*, is a sprawling shrub that fills the nighttime air with an intoxicating fragrance.

Under the pink and fragrant crab apples, KAIDO, CHARLOTTE, and HOPA, grows the wonderfully fragrant grape-hyacinth, the heavenly blue *Muscari armeniacum*. Nostril-tingling lily-of-the-valley blossoms in the shadows, and in the sunny border the clove pinks emit their sweet and spicy perfume.

Six fragrant beauties among the peonies are JEANNOT, KELWAY'S GLORIOUS, MYRTLE GENTRY, SARAH BERNHARDT, PHILIPPE RIVOIRE, and E. C. SHAW.

And then come the roses. Not all of them have lost their fragrance. CRIMSON GLORY and CITY OF YORK are fragrant hybrid teas. Miniature rose, SWEET FAIRY, is delightful; the Scotch roses, STANWELL PERPETUAL and FRUEHLING'S GOLD, are highly scented; the climbing or pillar roses, SWEET SULTAN, ALBERTINE, DREAM GIRL, are fragrant dreams; and many old and very fragrant rose species are still available.

Full summer brings us the fragrant annuals: the incomparable heliotrope, the stocks, sweet sultans, sweet-alyssum, the beloved mignonette; and for evening, night-scented stocks, nicotiana and dame's rocket.

In the perennial border we have the warm fragrance of the phlox, the delicious heliotrope odor of *Valeriana officinalis*, the richly scented

lavender, the aromatic fragrance of *Nepeta mussini*, the scented leaves of calamint and gas plant, *Dictamnus fraxinella*.

Only a few of the day-lilies *(Hemerocallis)* are fragrant, but they are delightfully so. Four highly recommended are CAPISTRANO, COSETTE, HYPERION and PRIMROSE.

The lilies bloom in orderly procession—the sweetly blowing Madonna lily, the regal lily of richer scent, the highly perfumed *Lilium auratum* and the delicate vanilla tone of *Lilium speciosum*.

A summer shrub of delicious scent is the sweet pepperbush, *Clethra alnifolia*, and its pink form, *rosea*. Fragrant, too, are hypericum HIDCOTE, the Virginia-willow, *Itea virginica*, and the Asiatic sweetleaf, *Symplocos paniculatus*.

Several vines lend summertime sweetness: the white *Hydrangea petiolaris*; *Clematis recta* and *C. crispa*; several wildly growing honeysuckle vines; and one, the old-world woodbine, *Lonicera periclymenum*, fragrant only at night, sweet, spicy and delightful.

The linden tree, particularly the European linden, *Tilia petiolaris*, is alluringly fragrant. The Russian-olive, *Elaeagnus angustifolia*, is extraordinary in its sweetness though its flowers are inconspicuous. The storax *(Styrax japonica)* and the sourwood tree have hanging clusters of white fragrant blossoms, and the catalpa tree, *Catalpa ovata*, is sweetly honey scented.

Late summer turns into autumn and we have the lovely hostas with their enticing fragrance, the heavily perfumed white tuberose, and *Amaryllis belladonna*, whose delicious scent and delicate coloring is so lovely with autumn foliage.

The sweetly scented vining honeysuckle, *Lonicera serotina winchester*, blooms from July into October; and the well-loved *Clematis paniculata* showers its delightful perfume through August well into the fall.

One rare and lovely tree, *Gordonia alatamaha*, sometimes called *Franklinia*, bears in September and October large white blossoms, deep, cuplike and very, very fragrant.

The very essence of autumn is in the tangy, deeply spiced-but-not-sweet scent of the chrysanthemums that bloom on every hand. Leaves and blossoms both have this characteristic odor, but the blossom of one, LAVENDER LADY, has a distinctive fragrance of its own.

As autumn deepens it is time to go back on our knees and sniff the slightly scented saffron crocus, *C. sativus*, and the sweeter but delicately perfumed *Cyclamen europaeum* and *Cyclamen neapolitanum*, and the very fragrant winter daffodil, *Sternbergia lutea*.◆

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Warm-climate gardeners can choose from the following fragrant plants suggested by Robert E. Atkinson.

In the quest by hybridizers for bigger flowers and bloomier plants, fragrance has been relegated to a secondary place in the tropical garden, too. But a garden with old-fashioned fragrance can be created by the careful selection of plants without the sacrifice of beauty.

Among the subtropical trees which perfume the air, none excels the orangeberry pittosporum, *P. undulatum*. Wavy, margined, evergreen leaves, highly fragrant white flowers that appear in clusters periodically, and bright orange berries make this small tree interesting and handsome during every season of the year. The silver wattle, *Acacia decurrens dealbata*, is another fragant tree commonly planted in California. It blooms in February and March and the flowers last for a rather long time.

A honey of a tree with honey-colored and honey-scented flowers is the sweetshade, *Hymenosporum flavum*. This is a very select and very useful tree for street, lawn or patio.

Of course citrus is hard to beat when it comes to fragrance, and the choice in size varies from the dwarf table top varieties to the sizable shade tree. The heavy, sweet scent makes the selection of an orange or lemon a natural for the tropical garden.

The choice of fragrant shrubs is very wide, but the most outstanding in the subtropics is certainly the night-blooming jasmine, *Cestrum parqui*. Its perfume is so potent that many regard the shrub as objectionable. It has two blooming periods that keep it in almost constant bloom in summer. It should be cut back severely after flowering.

Other choice shrubs include the natal-plum, *Carissa grandiflora*, Mexican-orange, *Choisya ternata*, and orange jessamine, *Murrya exotica*. These compact shrubs are excellent for foundation plantings. Species of honeysuckle, viburnum and osmanthus add their spice to the subtropical garden.

Although the gardenia does better in the acid soils of the southern states, it is an essential planting in the West, too, for its white flowers have few equals for fragrance. A common mistake is to plant gardenia in the shade when its principal need is concentrated heat.

When it comes to spectacular bloom the fragrant *Brunfelsia calycina*, romantically called "yesterday, today and tomorrow," certainly excels. The 2-inch flowers open into a purple, change to lavender-blue and finally an off-white.

In the flowering vine category the tropical garden comes into its own with a wide choice of perfumes and exotic blooms. First among them is the Madagascar-jasmine called the bridal flower, *Stephanotis floribunda*. It is well known to all as the most common wedding bouquet. Stephanotis blooms in late summer when its heavy fragrance enhances the tropical night. The true jasmines rank right behind stephanotis for fragrance. The many species vary from white to pink and yellow flowers. Fragrance, too, varies as does hardiness. A popular ground cover is Confederate-jasmine, also called star-jasmine, *Trachelospermum jasminoides*. It is in almost constant bloom and intensely fragrant. It has a cousin that is a large vine with bold foliage and long tubed flowers, *T. fragrans*. Carolina yellow jessamine, *Gelsemium sempervirens*, is a moderate vine with pairs of large glistening leaves and fragrant, tubular yellow flowers. It blooms in early spring. Another bold foliaged climber, so much in demand in the modern garden, is the Easter-lily vine, *Beaumontia grandiflora*. Its fragrant blossoms appear from April to October amid the lush tropical long and leathery leaves.◆

Flower Grower's selections... 50 FRAGRANT PLANTS

Name	Type	Comments and Suggestions
Acacia (Wattle) *(Acacia)*	trees, shrubs	For mild regions; many withstand drought. Shrubs, to 10 ft.; trees, 20-50 ft. Foliage often gray, silvery; blooms golden.
Azalea *(Rhododendron)*	shrubs	*R. viscosum* (white swamp-honeysuckle), a choice native; deciduous. *R. arborescens*, white, scarlet stamens. See catalogs for fragrant new hybrids.
Banana Shrub *(Michelia fuscata)*	shrub	Yellow blooms, red-edged and fruit-scented, in spring. A choice Southern evergreen, not hardy in North. Likes some shade. Max. height, 15 ft.
Broom *(Cytisus)*	shrub	Choose according to climate. *C. praecox*, yellow, 4-5 ft., hardy, blooms in May. For mild areas, there are other yellow and white forms.
Carolina Allspice *(Calycanthus floridus)*	shrub	Also called sweet-shrub, strawberry-shrub. Leaves, bark, brown-red blooms are spicy. Deciduous; to 10 ft. Sniff before buying, if possible.
Citrus *(Citrus)*	tree	Dwarfs thrive outdoors in warm areas, elsewhere as house plants. For South and Southern California, many taller kinds offer fruit, fine foliage.
Clematis *(Clematis)*	vines, perennials	Climbing *C. paniculata* perfumes the autumn garden. Investigate bushy border types, other vine forms with scent; catalog listings are helpful.
Crab apple *(Malus)*	trees	Hardy, ethereally beautiful, nearly all kinds fragrant. Choose for size, habit, and above all for color harmony; there are whites, pinks, reds.
Daphne *(Daphne)*	shrubs	*D. cneorum* (garland flower), low, trailing evergreen, pink blooms in early spring. Shrubby forms include *D. Burkwoodi Somerset*, pink.
Day-lily *(Hemerocallis)*	perennial	The old lemon day-lily (*H. fulva*) is noted for scent. Many new hybrids are fragrant, too; to choose varieties, study growers' lists.
Flowering Tobacco *(Nicotiana)*	annual	Valuable for graceful form as well as fragrance. Choose day-blooming or night-blooming varieties; white, red or intermediate shades.
Freesia *(Freesia)*	corm	Spikes of funnel-shaped flowers; wide color range. Blooms 12 weeks from potting for indoors. Plant outdoors in fall in warm regions.
Fringe-tree *(Chionanthus virginica)*	tree	Showy panicles, white, in May, June. Sometimes shrubby; usually a small tree (20 ft.). Likes slightly acid soil. Foliage turns golden in autumn.
Garden-heliotrope *(Valeriana officinalis)*	perennial	White flower heads, rose-tinted, with heliotrope-like fragrance. Hardy; to 3 or 4 ft.; blooms June-August. Likes full sun, ample moisture.
Gardenia *(Gardenia jasminoides)*	shrub	Grows outdoors on West Coast, in South. Evergreen, with glossy foliage, white double blooms, very fragrant. Good house plant.
Geranium *(Pelargonium)*	tender perennials	As house plants, try scented-leaved forms: lemon (*P. crispum*, *P. Limoneum*), rose (*P. graveolens*), nutmeg (*P. odoratissimum*). Summer outdoors.
Honeysuckle *(Lonicera)*	shrubs, vines	Shrubby *L. fragrantissima*, early spring. Climbing *L. Halliana* and its varieties bloom summer long; keep them well within bounds.
Hyacinth *(Hyacinthus)*	bulb	Perhaps sweetest-scented, hardy, fall-planted bulb. Group informally in border, among shrubs. Potted, forces well for indoors.
Iris *(Iris)*	perennial	Violet-like scent of *I. reticulata* is one of season's earliest. Many bearded iris are fragrant, too; check growers' lists, explore iris gardens.
Ismene *(Hymenocallis calathina)*	tender bulb	Quick to bloom, handy for midsummer fill-in; clusters of trumpet-like white blooms. Winter outdoors in mild regions; elsewhere, lift.
Lavender *(Lavandula vera)*	shrub	Lavender, white or purplish blooms; to 3 ft. high. Cut and dry the spikes for sachets, arrangements, potpourri. Foliage also carries scent.
Lily *(Lilium)*	bulb	A big family, nearly all fragrant. Long season of bloom is possible; many forms and colors. New hybrids are easily grown; consult catalogs.
Lilac *(Syringa)*	shrub	French hybrids, single or double, are finest improved type. A connoisseur's choice: old *S. persica*, Persian lilac, low, airy, with unique scent.
Lily-of-the-valley *(Convallaria majalis)*	perennial	May-June wealth of nodding white or pink bells. All-summer greenery makes it a good ground cover in shade.
Magnolia *(Magnolia)*	shrubs, trees	All famous for fragrance, from *M. stellata* (shrub, to 15 ft.; hardy) to *M. grandiflora* (bull bay; to 100 ft.). Check catalogs for suitable varieties.

TO DELIGHT YOUR SENSES

Name	Type	Comments and Suggestions
Mexican-orange *(Choisya ternata)*	shrub	A mild-climate evergreen, the "Mexican orange blossom" produces conspicuous white flowers in May and June. To 10 ft.
Mock-orange *(Philadelphus)*	shrub	There are many improved varieties of this old white-flowered favorite. Among finest are *Belle Etoile, Innocence*. Height, 5 to 9 ft.
Mother-of-thyme *(Thymus serpyllum)*	perennial	Carpeting herb, for "thyme lawn" or spaces in pavement. Variegated forms available. *T. serpyllum citriodorus* is lemon-scented.
Natal-plum *(Carissa grandiflora)*	shrub	An evergreen for mild regions. White-flowered, it produces edible scarlet fruits. To 18 ft., except dwarf *nana compacta*. Can stand some frost.
Oleander *(Nerium)*	shrubs, trees	Tender evergreens; *N. indicum (N. odorum)*, shrub, to 8 ft. *N. Oleander*, tree, to 20 ft. Flowers rose, pink or white; some double.
Peony *(Paeonia)*	perennial	Intensely fragrant, especially in such varieties as *Festiva Maxima, Baroness Schroeder, Philippe Rivoire*. Not for hot regions.
Pinks *(Dianthus)*	perennials	For the unique dianthus spiciness, select *D. caryophyllus*, clove pink; *D. plumarius*, cottage pink; and garden carnations (check catalogs).
Narcissus *(Narcissus)*	bulb	Indoors, grow paper-white narcissus and Chinese sacred-lily (yellow) in pebbles and water. Outdoors, plant poet's and tazetta narcissus, jonquils.
Orange-berry *(Pittosporum undulatum)*	tree	For the South and Southern California. Evergreen, with strong foliage, clusters of white blooms, orange-colored fruits. To 40 ft.
Rose *(Rosa)*	perennials	Nostalgic scent-seekers sniff among hybrid teas, hybrid perpetuals, climbers, the "old" roses (damask, moss, musk). For best kinds, "follow your nose" through gardens and catalogs.
Russian-olive *(Elaeagnus angustifolia)*	shrub or tree	Very hardy, with silvery underleaves, inconspicuous flowers, in June. Deciduous. To 15 ft. Other species, tender, are suitable for South.
Stephanotis *(Stephanotis floribunda)*	vine	For the greenhouse, except in very mild regions. May grow to 15 ft. Waxy white blooms, to 2 in. across, are much used by florists.
Stock *(Mathiola)*	annual	*M. incana*, common stock, likes cool weather; Trisomic strain is heat-tolerant. *M. bicornis*, evening stock, is for nighttime fragrance.
Summer-sweet *(Clethra alnifolia)*	shrub	White- or pink-flowered, a hardy, compact shrub (to 10 ft.) for late-summer bloom. Likes moisture, acid soil, full sun (or light shade). Also called sweet pepperbush.
Sweet-alyssum *(Lobularia maritima)*	annual	As summer wanes, its honey scent grows stronger. Shear in midsummer for long bloom. White, violet-tinted or pink *(Pink Heather)*.
Sweet-olive *(Osmanthus fragrans)*	shrub	Long a Southern favorite. Often called tea-olive. Evergreen; may reach 25 ft. outdoors. A winter-blooming house plant in cold regions.
Sweet Pea *(Lathyrus)*	annual	A winter bloomer in mild climates. Where summers are hot, plant heat-resistant strains as early as soil can be worked. Likes deep, rich soil.
Sweet Rocket *(Hesperis matronalis)*	perennial	Old-fashioned dames-rocket. Lilac-tinted, mauve or white; blooms in late spring. Height, to 3 ft. Can tolerate light shade.
Trailing Arbutus *(Epigaea repens)*	perennial	Low, evergreen trailer, with tiny, flesh-pink blooms. Wildflower nurseries can supply plants. Give humusy soil, slightly acid.
Tuberose *(Polianthes tuberosa)*	bulb	Plant in May, cover 1 in. Stalks of waxy, cream-white flowers follow in summer and early fall, to 3½ ft. Dig and store over winter.
Viburnum *(Viburnum)*	shrub	Among best of these white-flowered shrubs are *V. Carlesi, V. Burkwoodi* and *V. Carlcephalum* (fragrant snowball).
Wallflower *(Cheiranthus, Erysimum)*	perennials	Yellow–brown–red color range; blooms in early spring; to 2½ ft. Likes cool weather; can be grown as biennials.
Wax Plant *(Hoya carnosa)*	shrub, climbing	A pot plant for house or greenhouse. Needs support. Pinkish-white blooms, spring. May reach 8 ft. Can summer outdoors.
Wisteria *(Wisteria)*	vine or standard	Where winters aren't too severe, lovely panicles in white or shades of blue, pink or lavender are abundantly borne by vine and "tree" forms.
Yellow-wood *(Cladrastis lutea)*	tree	A hardy native, to 50-60 ft. Fragrant racemes of white blooms in June. Fall foliage turns golden.

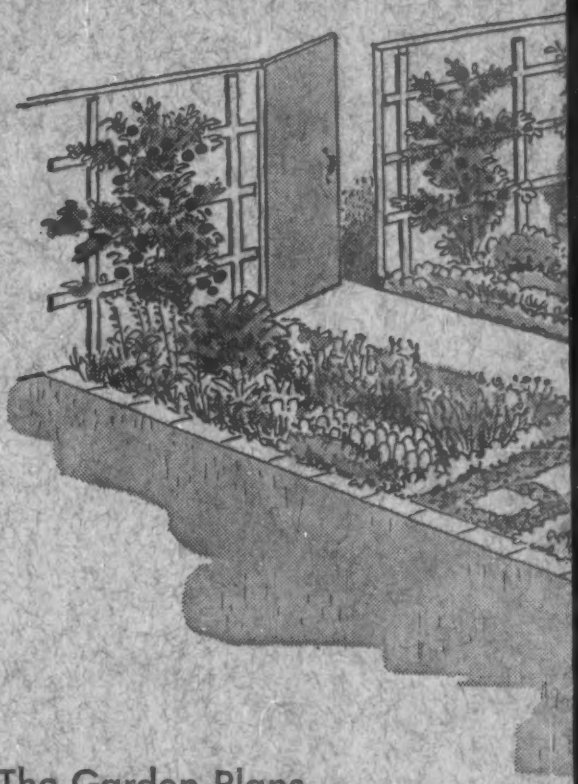
3 Plans for Fragrance

NIGHT AND DAY, summer or winter, this garden balances practical values and visual pleasure. But its beauty is not only in the *eye* of the beholder—it drowns his senses with its pervasive fragrance of flowers and herbs, even as its salad vegetables give promise of gustatory delights.

Tucked into a corner of the kitchen dooryard, it displays a reasonably complete herb garden whose products may be used fresh, dried for winter flavorings, made into packets to use as gifts or to sell at the church bazaar. All of the flowers have been chosen not only for color and form, but also for scent. Some give forth their fragrance in the evening, too, notably the nicotianas and the moonflower vine, *Ipomoea noctiflora*, on the porch. There is constant "nose-interest" as well as "eye-appeal" here.

The scent of peony and iris and other perennials bridges the gap between the perfume of the early narcissus, that precede the later-planted herbs and annuals, and the fragrance of annuals which carry on until autumn frosts arrive. Crisp and succulent salad vegetables become a gourmet's dream when combined with fresh herbs. Trained on the fence we see large tomatoes, while diminutive TINY TIM tomatoes are set among the herbs. Nasturtiums, planted below the rosemary, are more than decoration, for their spicy-tasting leaves and stems are admirable additions to salads. Creeping thyme between the stepping stones adds the final touch of fragrance and beauty. A plant list follows for the plan on this page and the two that follow.◆

DRAWINGS AND TEXT
BY JOHN BURTON BRIMER



Fragrant Plants Used In The Garden Plans

[(A) annual; (B) bulb; (Bi) biennial; (P) perennial; (TP) tender perennial]

HERBS

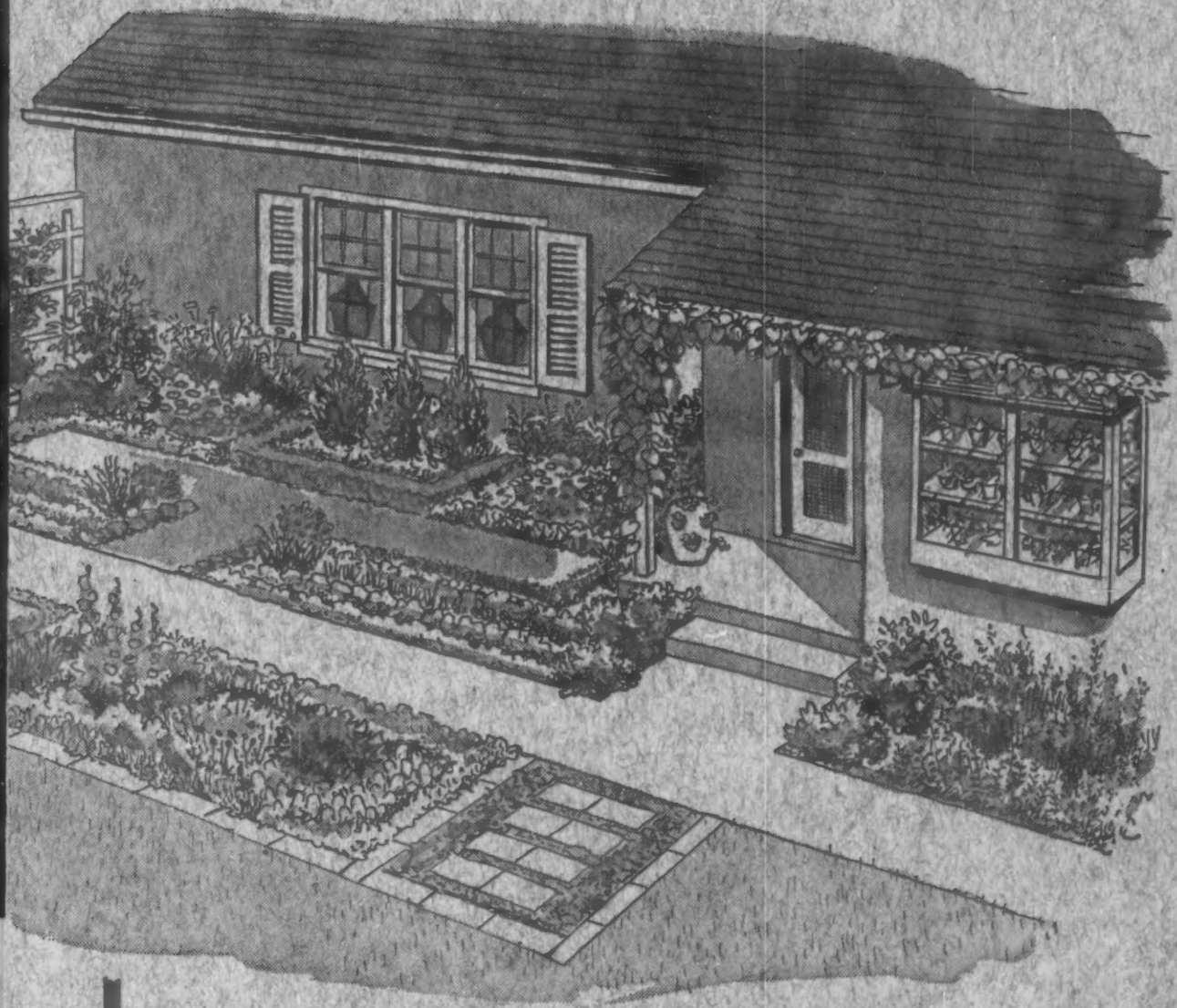
1 Angelica (P)
2 Balm, lemon (P)
3 Basil (A)
4 Borage (A)
5 Burnet (P)
6 Chives (P)
7 Dill (A)
8 Fennel (TP)
9 Geranium, rose (TP)
10 Teucrium (P)
11 Lovage (P)
12 Marjoram (P)
13 Mint, various (P)
14 Oregano (P)
15 Parsley (Bi)
16 Rosemary (P)
17 Sage (P)
18 Santolina (P)
19 Summer savory (A)
20 Sweet woodruff (P)
21 Tansy (P)
22 Tarragon (P)
23 Teucrium (P)
24 Thyme, common (P)
25 Thyme, lemon (P)
26 Verbena, lemon (TP)

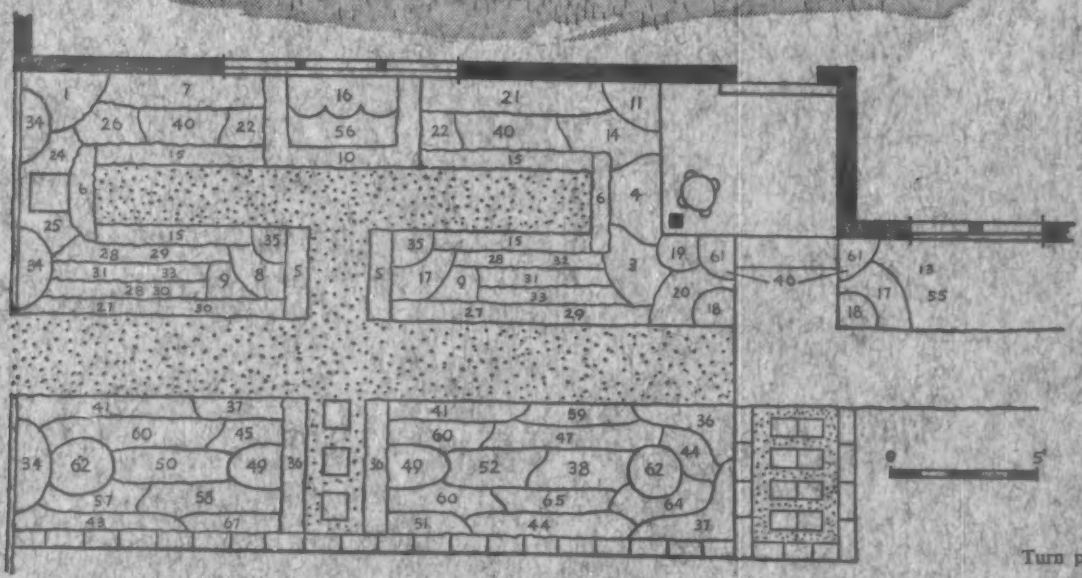
SALAD VEGETABLES

27 Corn salad
28 Lettuce, early
29 Lettuce, summer
30 Lettuce, late
31 Onions (scallions)
32 Romaine lettuce or chicory
33 Radish
34 Tomato, large
35 Tomato, Tiny Tim

SCENTED FLOWERS AND FLOWERING HERBS

36 Alyssum, sweet (A)
37 Abronia umbellata, sand verbena (A)
38 Adenophora lilifolia, ladybells (P)
39 Bartonia aurea (A)
40 Calendula (A)
41 Candytuft (A)
42 Cleome (A)
43 Day-lily (P)
44 Dianthus plumarius (P)
45 Dianthus barbatus (Bi)
46 Feverfew, white (P)
47 Four-o'clock (TP)
48 Heliotrope (A)
49 Iris, scented varieties (P)
50 Jupiter's beard, Centranthus ruber (P)
51 Mignonette, Reseda odorata (A)
52 Malva moschata (P)
53 Marigold (A)
54 Bee-balm, Monarda (P)
55 Narcissus (B)
56 Nasturtium (A)
57 Nicotiana, red (A)
58 Nicotiana, white (A)
59 Petunia, dwarf (A)
60 Petunia, med. ht. (A)
61 Peony, fernleaf (P)
62 Peony, (P)
63 Snapdragon (A)
64 Stock (A)
65 Sweet sultan A)
66 Tuberose (B)
67 Verbena (A)





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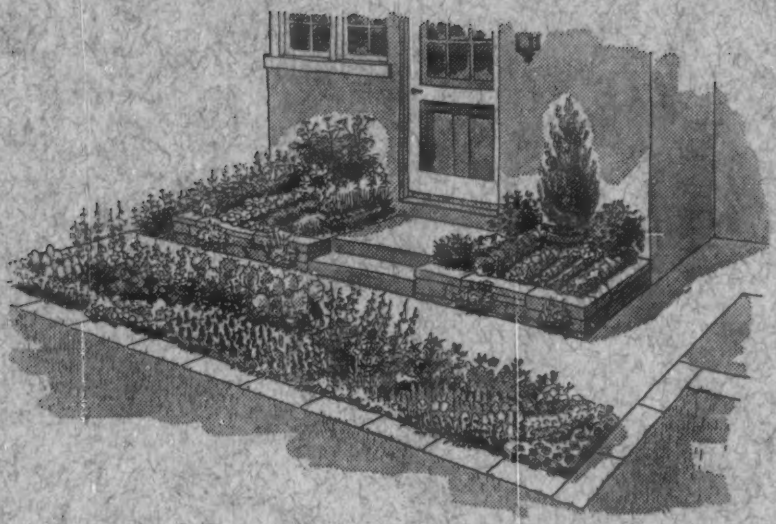
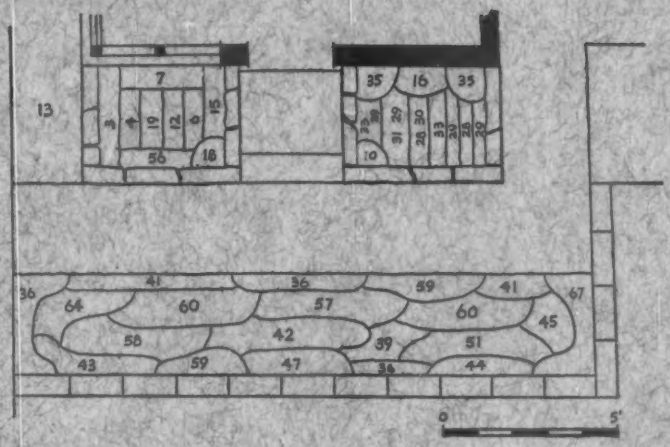
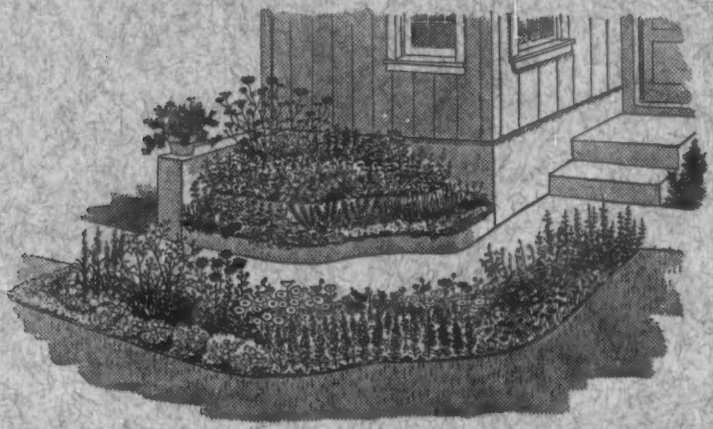
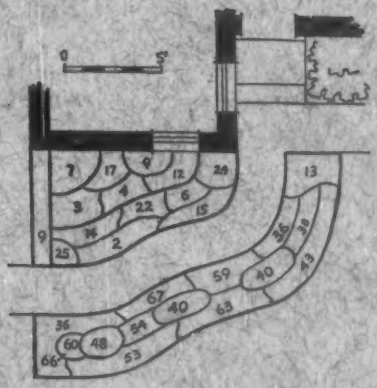


EVEN A TINY SPACE can contribute its share of fragrance. It also can provide salad greens for a small family, as well as furnish herbs to use fresh or to dry or freeze for winter use. At left of the raised bed is a mint collection, segregated to prevent it from invading and choking out other herbs. If the raised bed is constructed to fit a small aluminum cold frame, the salad greens may be started quite early in the spring and carried on well into the autumn, the frame being removed during the summer months. Succession plantings of vegetables assure a constant supply. Scented annuals are preceded by early and late narcissus.





BACK DOOR BEDS may be tucked into a corner, the herbs being grown in tiers made of masonry, wood or wide corrugated metal flower bed edging, as shown here. Elevated in this manner, they are easy to tend and easy to harvest. Mint (growing at right of the flower bed) is kept within bounds by metal edging, which prevents root runners from spreading. Bulbs are again used for fragrance, with narcissus planted beneath the annuals for early perfume and tuberoses set under the petunias (at left) for late summer, after the day-lilies have gone by.



PHOTOGRAPH BY ROBERT STARKINS

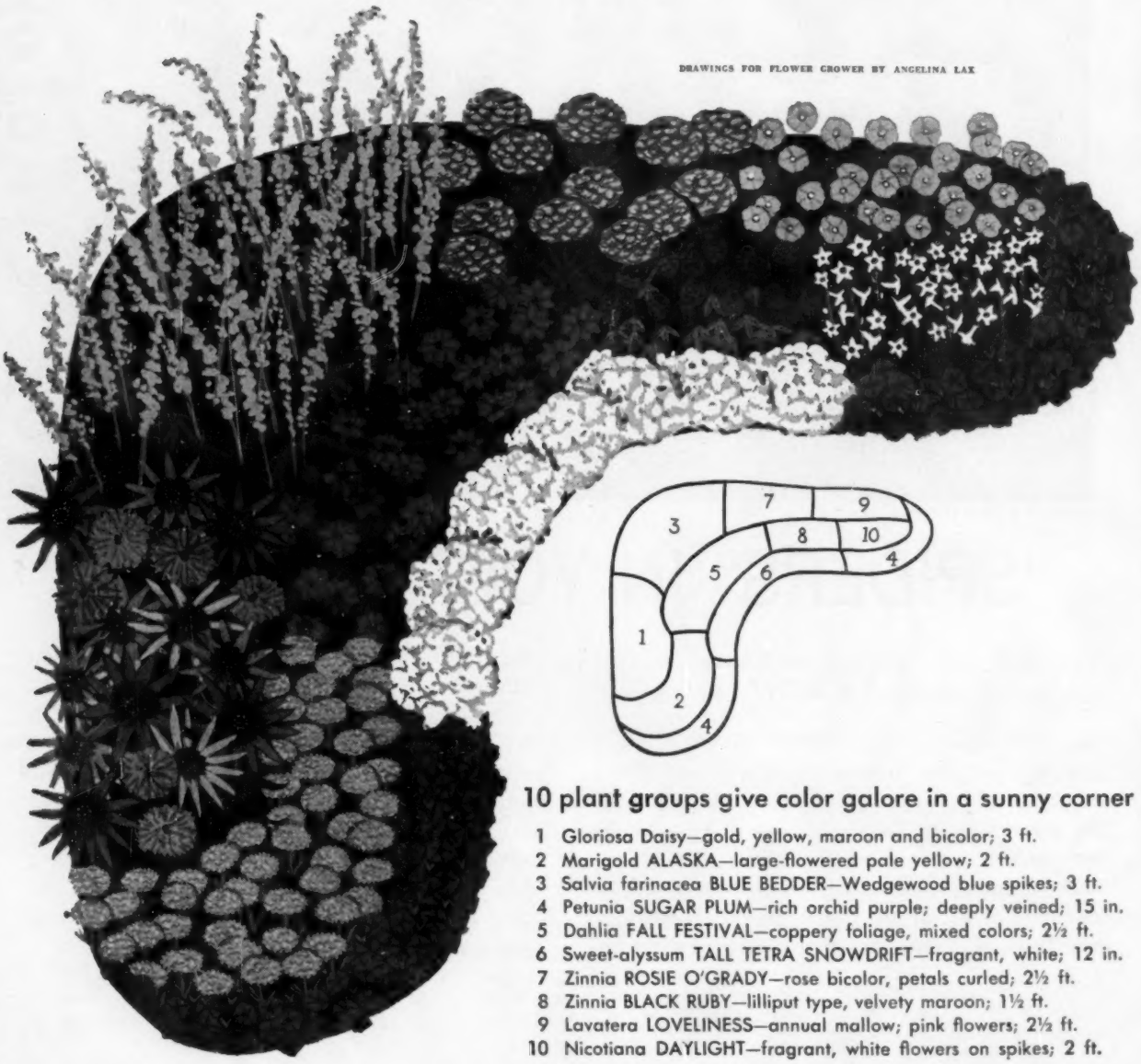
"SPIDERS" IN YOUR GARDEN?

Yes, but they will be welcome ones—if you plant seeds of CLEOME this spring!

ARE YOU LOOKING FOR A TALL ANNUAL that is different yet easy to grow from seed and quick to come into flower? Consider, then, cleome, the spider-flower, shown above in its white-flowered variety, Helen Campbell. Here is a background annual for use among other annuals and perennials. It reaches a height of 4 feet but has the happy characteristic of starting to flower before this eventual height is realized. The spidery flowers—and their even more spidery, elongated seed pods—offer interesting contrast to such popular annuals as zinnia, marigold and cosmos. Cleome also can be an effective accent among summer-flowering perennials like day-lily, phlox and veronica. Plant the seed in the open ground and transplant seedlings when a few inches high to their flowering location, setting about 14 inches apart. Pink Queen is also good and there is a yellow form.◆

Easy-to-follow plans for SUMMER COLOR

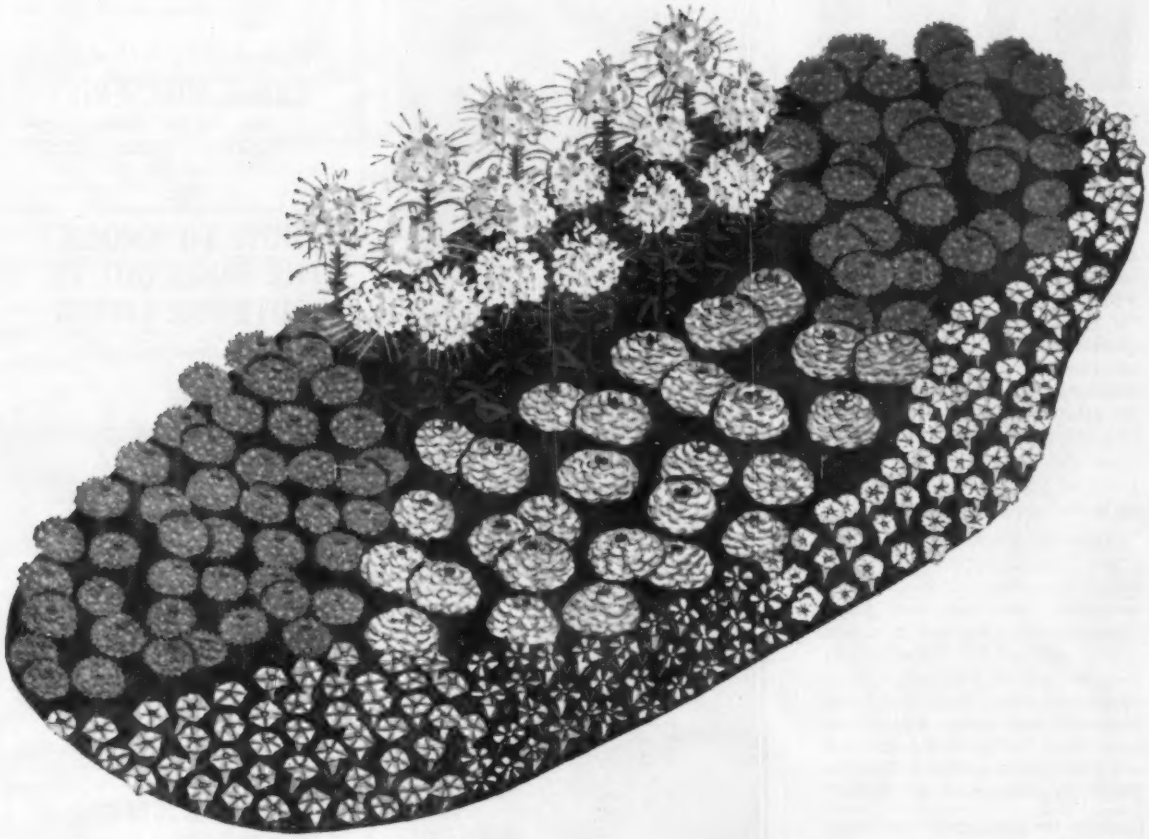
DRAWINGS FOR FLOWER GROWER BY ANGELINA LAX

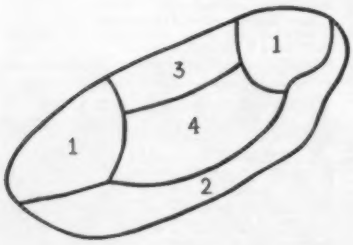


10 plant groups give color galore in a sunny corner

1 Gloriosa Daisy—gold, yellow, maroon and bicolor; 3 ft.
2 Marigold ALASKA—large-flowered pale yellow; 2 ft.
3 Salvia farinacea BLUE BEDDER—Wedgewood blue spikes; 3 ft.
4 Petunia SUGAR PLUM—rich orchid purple; deeply veined; 15 in.
5 Dahlia FALL FESTIVAL—coppery foliage, mixed colors; 2½ ft.
6 Sweet-alyssum TALL TETRA SNOWDRIFT—fragrant, white; 12 in.
7 Zinnia ROSIE O'GRADY—rose bicolor, petals curled; 2½ ft.
8 Zinnia BLACK RUBY—lilliput type, velvety maroon; 1½ ft.
9 Lavatera LOVELINESS—annual mallow; pink flowers; 2½ ft.
10 Nicotiana DAYLIGHT—fragrant, white flowers on spikes; 2 ft.

ALL-SUMMER COLOR IS EASY with annuals like the ones shown here. They have been combined pleasingly in easy-to-adapt plans. You can follow the plan shapes and plant combinations exactly (the scale is about one half inch to a foot), or alter them slightly—or drastically—to conform to your own situations. The planting at the left will fit any sunny corner and can be extended at either end by repeating the plant groupings. The garden below is even more simple and uses only four annuals for its effect. While all these annuals can be started from seed, you'll get quicker color if you purchase started plants, either in containers or in the handy "peat" pots. (Peat pots can be set right in the ground as the roots grow through them.) If you prefer to start your own plants from seed, try planting your garden from scratch, so to speak. Take the garden area, prepare the soil, rake, and then measure and mark out the boundary of each separate plant area. Use lime, labels or string to outline each area. Then broadcast the seed (that is, scatter rather than planting in rows). When the seedlings are a few inches high, thin out to 8 inches apart.◆





Only 4 kinds of annuals make this garden. Follow this plan or expand or repeat for larger gardens

1 Marigold YELLOW CLIMAX—sensational large flowers; 3 ft.
2 Petunia LINDA (pink, 15 in.), CALYPSO (white and rose, 18 in.)
3 Cleome PINK QUEEN—spidery pink flowers (see page 47); 4 ft.
4 Zinnia LUTHER BURBANK—pastel, "art" shades; 3½ ft.

"I planted more than 100 annuals and not one of them wilted"

"They were from flats . . . petunias, marigolds, snapdragons . . . and you know how annuals dug from flats wilt from the shock of transplanting! Well, I planted more than 100 of them and not one of them wilted.

"I used new Transplantone, the well-known hormone formula that reduces transplanting shock, gets new, young plants off to a good start. And I found the *new* Transplantone better than ever. It dissolves easily, quickly in water, goes to work on plant roots—fast! All I did was mix Transplantone with water and put the solution on plants right after I transplanted them. They didn't collapse and wilt like newly moved plants so often do. I credit Transplantone.

"As a matter of fact, my husband and I use Transplantone whenever we transplant—trees, shrubs, annuals, perennials, biennials, even house plants, whether they're in flats, pots or plant bands. I like Transplantone because it's clean and easy to use—no muss, no odor, no staining if you happen to spill some. And it's so economical. The small size, now in a new foil envelope costs only 35 cents. The big, 3 oz. tin, costs only $1.25."

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Annuals with perennials:

Color all summer

by MARTHA PRATT HAISLIP

EVEN IN THE MOST CAREFULLY PLANNED perennial garden, at certain seasons bloom and color are lacking. Fortunately, annuals can save the day as important fill-ins. To achieve pleasing effects and continuous color annuals should have specific characteristics. To plant over early flowering bulbs they should be shallow-rooted; to give all-summer color they should start blooming early and continue if possible until frost; to harmonize or

BODGER

DIETZ

TRITOMA (top), a perennial that flowers in late summer is perfect with annual ZINNIA (below). Both can be grown from seed or started plants.

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GENEREUX

DIETZ

LIATRIS (top) has tall spikes of purple in midsummer. It is a perennial.

GLORIOSA-DAISY (below) easy from seed, is usually an annual.

contrast with already established perennials their flower colors should be chosen carefully.

In my concern for easy gardening, I am partial to such annuals as come from fall or very early spring-sown seed. For example, I have especially enjoyed larkspurs blooming early and long from seed sown in late fall over one of the tulip beds in front of a boxwood hedge. Until early summer the plants are lovely in themselves and a perfect screen for maturing tulip foliage. Later, they are pulled up and replaced by white-flowering nicotiana which, with a border of white sweet-alyssum, form a delightfully cool effect until late fall. (Very pretty, incidentally, is the new bicolor larkspur BARCELONA.)

Fall-sown California-poppies spangle with gay colors the space earlier occupied by daffodil blooms;

"The $200 worth of nursery stock I planted this year cost me $1.70"

"It's a fact! I planted out nursery stock I figured had a market value of $200 . . . yews, boxwood, azaleas, deutzia, spirea, weigela and lots of other shrubs and trees, both evergreen and deciduous.

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"Well, the cuttings developed roots and I fed them with a mild solution of liquid fertilizer (I used Gro-Stuf but any good plant food will do). The next year I put them in a little nursery bed in the back corner of our place. When I moved them, I treated them with Transplantone (incidentally my fertilizer and Transplantone costs are included in the $1.70), kept them weeded and this year I had garden size plants worth $200, maybe even more.

"You can do it, too, as easily as I did. Rootone is sold by all good garden supply dealers and you'll find it economical and fun to grow your own plants from cuttings with Rootone. Ask your dealer for Amchem's Rootone (Amchem's the name of the people who make Weedone, Transplantone, X-All, and other famous garden chemicals). You can get the small size Rootone for only 35 cents or the giant size (2 oz.) jar for only $1.25."

P.S. Rootone is wonderful for rooting house plants, too.

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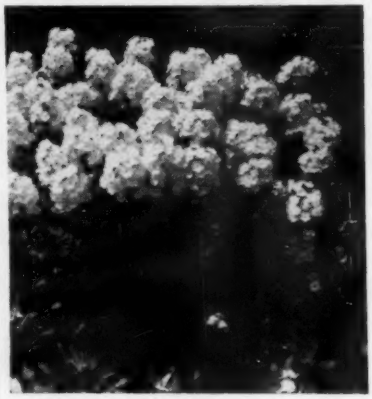
dwarf bachelor buttons make colorful masses in the foreground of another border. Sweet-alyssum I use wherever possible. White-flowered alyssum is lovely combined with white geraniums, ivy and white summer phlox about a birdbath and makes a pleasing ground cover with brilliant tuberous begonias. The *fragrant* sweet-alyssums, HEATHER PINK, the new ROSIE O'DAY and ROYAL CARPET—have a multitude of uses because of their color and their superabundance of bloom until late fall. In fact, I have often seen sweet-alyssum blooming under a light snow!

For a damp shaded spot nothing can be lovelier than forget-me-nots (myosotis). They come quickly from very early fall-sown seed and reseed each year so that their spring appearance is unfailing. In our rather damp woods-edge border where early-flowering primula, narcissus,

GENEREUX



GENEREUX

PERENNIAL PHLOX (top) is good for summer color. For contrast, plant annual NICOTIANA (below) with it. Blue salvia and snapdragons are good accents too and look well together.

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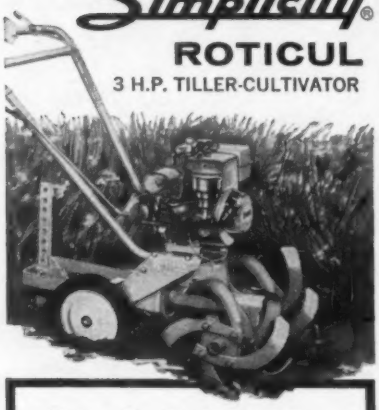

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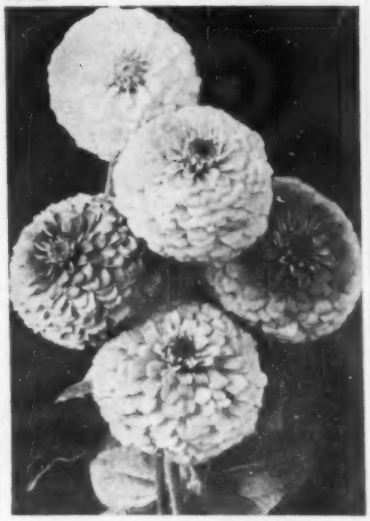
GENEREUX

BODGER



DAY-LILY (top) is as essential a perennial for summer color as phlox. ZINNIA, such as cut-and-come-again shown below, makes good companion.

columbine and pulmonaria make a carpet of bloom in spring, forget-me-nots take over and continue until nicotianas open their *fragrant* white trumpets. Nicotiana I plant lavishly (since they are irrepressible self-sowers, plants come up almost everywhere so I always have plenty of seedlings for resetting). Red, pink, purple and lavender varieties are to be had but, to me, they lack the charm of the white-flowered nicotiana. In my perennial border they replace earlier-flowering foxglove, hide browning Oriental poppy stems and foliage and give a lovely effect when set in groups of three or more.

Another bold white accenting annual, easy from seed, that I espe-

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For further information on lawn care, write: Lon Moore, Agriculture Sales, The Upjohn Company, Kalamazoo, Michigan

Upjohn *75th year*

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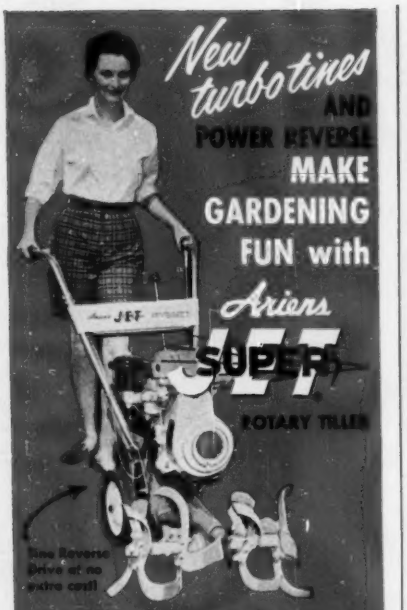

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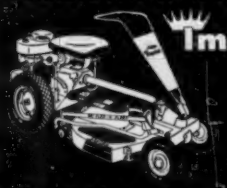

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cially like is datura (angel trumpet). Few other annuals give such a dramatic effect through the hot summer months. On tall, well-foliaged plants are bold flowers so closely resembling trumpeted lilies that daturas could substitute for them. Often the flowers are more than 6 inches long and deliciously *fragrant*.

Oddly enough, there are almost no long-flowering perennial edging plants. For this purpose there are legions of annuals. Besides sweet-alyssum there are dwarf and bedding petunias; English daisies (actually biennial but best treated as annuals); marigolds; zinnias in low-growing varieties in a wide range of gay colors; browallia and lobelias for blue bloom; ageratum for soft gray-blue tones; miniature roselike portulaca for the dry sunny spot where nothing else will grow. (I sow seed mixed with a little sand very thickly so that the resultant carpet of bloom will be generous and undesirable colors can be pulled up.) And then there are the adorable 8-inch-tall new annual phlox in such lovely colors as salmon, scarlet and blue and the (to my mind) prettiest of all annual phlox for mass effects, the 14-inch-tall luscious salmon GLAMOUR.

Dwarf nasturtium, a long-neglected *fragrant* annual, also makes one of the most colorful edgings with enough flowers left over to pick. With such perennials as verbascum, tritoma and other orange, yellow or red perennials, nasturtiums add a final touch.

Petunias with their delicate *fragrance* are the most valued and most generally planted of all edgings and foreground annuals. Dwarf types, mounds of close color all summer, and the taller bedding types are indispensable. For example, in my own garden dominated by perennial phlox *(Fnlox decussata)*, a foreground planting is needed to hide phlox stems and to give color at ground level. I have liked salmon-pink phlox in combination with such petunias as SPRINGTIME and MAYTIME for their almost identical hues; ROSY MORN petunias with clear pink phlox; and any of the purple, red, lavender petunias are charming with white phlox. However, with such dazzling red phlox as STARFIRE, orange-red HOLYROOD or orange

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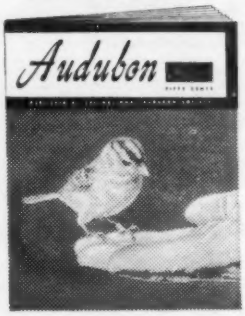

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PRINCE OF ORANGE, I prefer a background of Silver King artemisia with its misty tones repeated in the silver-white foliage of dusty miller as an edging. Such a combination is softer and more appealing than red and orange flowers planted with white edgings.

Tall annuals for planting over beds of spring-flowering bulbs or for placing among perennials include such shallow-rooted annuals as China-aster, zinnia and marigold. The new almost-white marigolds such as WHITEY and MIRACLE, the brilliant yellow MARY HELEN and golden HAWAII are a delight to see set in groups among shrubs or before such bushy perennials as peonies. The new GIANT zinnias that grow to about 2½ feet come in a mixture of bright and pastel colors; they add gayety to any border over a long period. A half dozen bright yellow zinnias backed by a group of gloriosa-daisies in bronze and gold were much enjoyed last summer for the vibrant effect they gave to a corner earlier dominated by deep purple iris and sweet rocket. (The new gloriosa-daisy with double chrysanthemum-like flowers in vivid gold is a beauty for background planting.)

Last fall these flowers gave sunshine to my garden. Here marigolds from palest yellow to deepest gold and orange flanked one side of a wide pathway. Gray-blue (perennial) ageratum made a pleasing foreground planting while annual BLUE MINK ageratum and double PYGMY marigolds in gold, yellow, and mahogany completed the picture.

Delightful combinations also may be worked out with annual asters and perennials. Pale and deep pink asters are engaging with pale blue delphiniums; the new SCARLET BEAUTY or rose-pink CHARMING combine nicely with darker blue delphiniums; lavender or so-called "blue" asters look well with such lavender-blue perennials as tall campanulas, platycodons or misty-blue veronicas. The newly introduced snowy chrysanthemum-like aster PEACOCK WHITE promises to be a sensation wherever planted in the garden border.

Listed high among my favorite annuals is *Salvia farinacea*, BLUE

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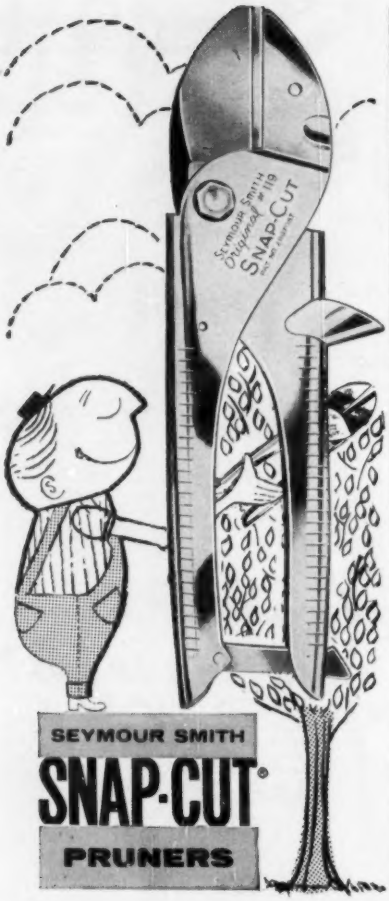

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it often persists over winters under a light mulch. The thin stems, with proper fertilization, will grow to 5 feet. Small, intensely blue flowers in whorled racemes are dazzling in color. For late summer and fall there is no comparable color—even among perennials.

An unusually pretty garden of annuals and perennials admired last summer was a combination of pastel pink and lavender phlox with tall spiked accents of pale yellow, pink and white snapdragons. (The new cool yellow SUNLIGHT is exquisite.) A foreground planting of anthemis MOONLIGHT and many plants of deep pink and clear purple (BLUE LACE) petunias in shallow bays gave depth and importance to the lighter tints above.

Another garden I thought original featured shades and tints of lavender and purple. Here were grouped tall plants of lavender and purple perennial phlox, closely set, deep-toned Chinese bell flowers, (*Platycodon*), rich purple *Salvia superba*, masses of heliotrope from almost white to purple, petunias in the same gradation of hues with a lacing of deep green-leaved and *fragrant* nutmeg geraniums and greenish yellow-foliaged blue-lavender wishbone (torenia) flowers. Edgings of soft lavender BLUE MINK ageratum composed an eye-catching monachromatic color scheme.

Fill-ins for background are often needed. Here, annual vines solve the problem. Most annual vines come into bloom quickly and add much and long color. Climbing nasturtiums quickly cover trellises with beautiful silvery foliage and bright flowers. An English gardener uses climbing nasturtiums to twine up the maturing stems of out-of-bloom Oriental poppies and over the skeletal masses of gypsophila plants. Morning glory in a wide variety of colors will fill great spaces quickly. Scarlet runner beans form a close screen, especially in a cool location. An added bonus is the profusion of bright scarlet flowers followed by edible green beans. My favorite of all annual vines is *Cobea scandens*.◈

Martha Haislip gardens in Bridgeport, West Virginia, where she specializes in such perennials as Oriental poppies and day-lilies.

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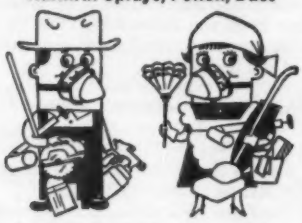

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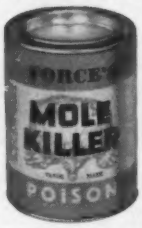

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ONE OF THE GREATEST FAULTS of close-up pictures of single flowers or small groups of blooms is that the foliage and blossoms behind the flower being photographed are not sharp and clear and give the appearance of being all jumbled. This can be very distracting, either in black and white prints or to your audience of slide viewers. The impact that was intended is lacking.

It is impossible to have an object very close to the camera in focus and to have more distant objects in focus at the same time. The smallest possible lens opening on the camera will give the greatest area of sharp focus or "depth of field," but it will not completely solve the problem. Also, the flower whose portrait is being taken will not be clearly distinguishable since it will meld into the background.

You can overcome these difficulties by using a cloth or cardboard background to hide the things that would normally be out of focus or

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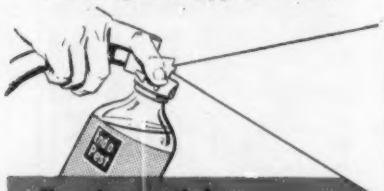

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would tend to obscure the flower. The background should be about 2 or 3 feet square.

For black and white photography it is handy to have three backgrounds—one white, one medium gray and one black. The white is used when photographing a very dark flower, such as a deep crimson tulip, so as to achieve maximum contrast. The black background is used for very light flowers, such as MRS. R. O. BACKHOUSE daffodils. On occasion the maximum contrast may be too severe and then the medium gray is used.

In color photography most people seem to prefer a blue background. But one must be careful to use the right blue and one that is not so brilliant that it distracts from the flower. The background should emphasize the flower. A blue-gray background is excellent.

It may be difficult to find good colors in cardboards that have a dull finish. If the cardboard has a shiny surface it may reflect the sunshine into your flower and give it an unnatural color. You can paint your own cardboard with rubber-base paint such as is used on the inside walls of your home, thus getting any color you want, and if the boards get scarred repaint them.

Cloth backgrounds also should be dull so as not to reflect light back into the flower. (If you *want* light on the flower, use a reflector.) Velvet is likely to be too shiny and it is apt to show a deep color in shade and be entirely washed out on the folds where the sun hits it. Heavy cotton cloth is good and you can find it in a variety of colors if you look around. To keep cloth backgrounds in usable condition, store them on cardboard tubes, either by rolling the cloths on them or by draping the cloths over them. Creases show up in photographs.

The easiest way to use a background is to have an assistant hold it for you. If you cannot get a helper, try draping a cloth over adjoining flowers. A very useful device for holding a cardboard background is a light-weight artist's easel. Take along a couple of thumbtacks to fasten your background to the easel or the wind may blow it off just when you are taking the picture.◈

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The Home Greenhouse

by F. F. ROCKWELL
and ESTHER C. GRAYSON

MAY sees some of the pressure for space in the home greenhouse beginning to abate. As the danger of frost at night decreases, all but the tenderest of plants being grown for the garden may be transferred to a sheltered spot in the open.

Keep cool: Before the month is out there are likely to be days when the greenhouse owner's temperature troubles will go into reverse. The problem will be not how to maintain a sufficiently high temperature, but how to prevent its going too high. Too much heat can be disastrous.

The first step toward combatting excessive temperatures is to provide some sort of shading. The old method was to apply some opaque material, such as whitewash, to the glass. The trick with this was to get it thick enough to break the force of the sun's rays, but not so thick as to give too much shade.

Modern shading consists of loosely woven plastic cloth attached to pulleys so that it can be raised or lowered in just a few minutes. In very changeable weather we frequently raise or lower the shading several times during a day. Moreover, it is possible to shade part of the house while admitting full sunshine to the rest of it—a very great advantage where a wide variety of plants is being grown. Another type of shading is made with wood slats. The latter is less likely to be damaged in high winds.

Watering: This requires increased attention as the days grow longer and the sun stronger. Individual plants, especially those in pots, will require more of it, and wetting walks and under benches helps greatly both in maintaining desired humidity and in lowering excessive temperatures.

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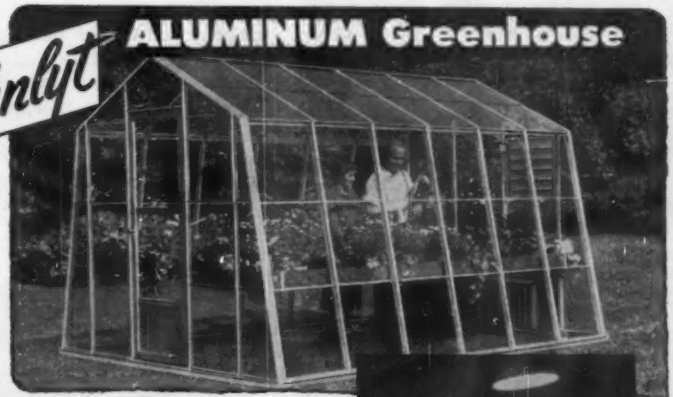

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AT GARDEN SUPPLY DEALERS

in bright sunshine may injure plants, especially those with decorative foliage and broad leaves. Watering during the morning and, if necessary, in midafternoon, is in order.

Imperishable passion vine: One of the most interesting operations we have undertaken in connection with our new greenhouse has been transferring to it a passion-flower vine which for a couple of years has occupied a corner of the built-in planter in our study. Its foliage has been prolific but it has not bloomed there. It has merely insisted, after attaining a height of 8 feet, on spreading out, supported by sundry cords, across the ceiling, and on hanging down in junglelike festoons of branches, leaves and tendrils. We decided weeks ago, when it began fastening itself to the window hardware and digging into the cracks between the wall paneling and the ceiling timbers, that it should go into the greenhouse. So the other

F. F. ROCKWELL

Passion-flower (Passiflora alato-coerulea) is a glamorous greenhouse vine.

day we moved it—or at least the root and the lower few feet of stem—leaving the upper, severed portion suspended from the ceiling.

Three days later this trunkless growth was as fresh and green as ever, and several long, self-supporting new lateral sprays were not even drooping!

If you have a greenhouse with a high wall, you can find few plants so rewarding as passion-flower. The most fantastically designed flowers, to 4 inches across, are produced freely during a three-month period starting in March or April. It is showy in the greenhouse and the blooms are used in arrangements.◈

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In the small greenhouse or on the window sill

You have room for many compact orchids

by CHARLES MARDEN FITCH

MOST OF THE ORCHIDS grown in today's collections reach 1½ to 3 feet with a wide spread. Commercial orchid growers who have large ranges under glass or under lath in the milder states of Hawaii and southern Florida or California need not be overly concerned with the mature size of their plants so long as the flowers are of good quality. The hobbyist is in a different position since, usually, he must confine his plants to a small greenhouse or window ledge.

In such a limited growing area as a sun porch or average home greenhouse plants that do not grow to excessive size will be welcome. You can select orchid plants that will not grow over 6 inches to 1 foot tall. These plants will still produce sizable blooms. Some of these compact plants will have sprays of blooms that make very unusual corsages and arrangements.

The well-illustrated catalogs of orchid growers will help you to choose precisely the plants that appeal to you most. To help fellow orchid raisers select fine plants I would like to list a number of compact orchids which have grown well in my small, 60°, lean-to greenhouse.

All these orchids are of easy culture. Follow the basic directions found in orchid books and catalogs. Several of them have grown very well in our living-room window boxes, which are filled with moist vermiculite. This helps keep the atmosphere humid around the plant.

Angraecum distichum: 3- to 6-inch stems, close together in clump. Pure white, fragrant, miniature.

Brassavola nodosa: Thin leaves about 8-inches long. Bulbs close together and thin. Showy fragrant creamy flowers 3 to 5 per spray.

Broughtonia sanguinea: Small compact pseudobulbs 2 inches high with short leathery leaves. Inflorescence 8 inches with several rosy-red flowers.

Dendrobium aggregatum: Short 3- to 5-inch pseudobulbs with thick leaves. A great many bright yellow flowers on a hanging influorescence.

Epidendrum difforme: Thick succulent dark green stems up to 10 inches long but compact and close. Clusters of clear emerald-green waxy flowers.

Epidendrum tampense: 8 to 12 inches tall, close growing. Airy sprays of yellow and magenta cattleya-shaped flowers that smell like honey.

Laelia pumila: 6 inches high with small single leaves. Large 3- to 4-inch rosy flowers.

Leptotes bicolor: Like a very tiny *Brassavola nodosa* about 6 inches high. White and purple flowers like little jewels.

Lockhartia oersderii: An amazing leaf that is 8 to 12 inches tall and braided. Grows in a clump. Very unusually shaped yellow and red flowers in clusters for most of the year.

Maxillaria tenuifolia: Small pseudobulbs with long thin leaves. Grows into a big clump in time. Bright red and yellow flowers 2 inches across smell like coconut.

Neofinetia falcata: Seldom over 6 inches tall. Fragrant white flowers with exotic spurs.

Odontoglossum grande: Pseudobulbs fat, close and low with two attractive leathery leaves. Large 5- to 7-inch yellow and chestnut-red flowers, several to each spray.

Oncidium harrisonianum: 4 to 6 inches high, gray leaves and

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close-growing pseudobulbs. Bright yellow miniature flowers marked with red.

Oncidium pulchellum: 4- to 6-inch clusters of succulent leaves, close growing. 1- to 2-foot sprays of 1-inch pink flowers.

Phalaenopsis lueddemanniana: Thick leaves 6 to 8 inches long, no pseudobulbs. Long sprays of white and amethyst 2-inch flowers. New plants grow from old inflorescences.

Renanthera monachica: Stiff blue-green leaves on a 5- to 8-inch plant. Long -branched spray of 2-inch yellow flowers with red spots.

Rodriguezia secunda: Usually 6 inches tall. Shiny dark green leaves. Many small lipstick-red flowers on several spikes from each new growth.

Trichocentrum albo-coccineum: 4 to 6 inches tall with attractive thick red spotted leaves. 2-inch white, yellow and purple fragrant flowers. Waxy, exotic.

All these orchid species are available from the established orchid nurseries. They will grow well in temperatures between 60° and 80°. Since none of orchids I mention need very warm or very cool conditions they are ideally suited for the average orchid hobbyist's collection. So think about growing some of these exotic species. They are easy to grow and are guaranteed to take up far less room than any cattleya you can find.◈

•

Sterling Forest Gardens

The gardens at Sterling Forest located at Tuxedo Park, N. Y. opened for the season on April 20, with a spectacular display of spring bulbs.

Blooming schedule is as follows:

Tulips, until May 25; daffodils, until May 10; minor bulbs (scilla, grape hyacinth, etc.), until June 15; hyacinths, until May 5; iris, from May 20 until June 15.

There are two new gardens this season, a Poetry Garden featuring famous quotations about flowers and a Connoisseur's Garden of the latest varieties of Dutch bulbs.

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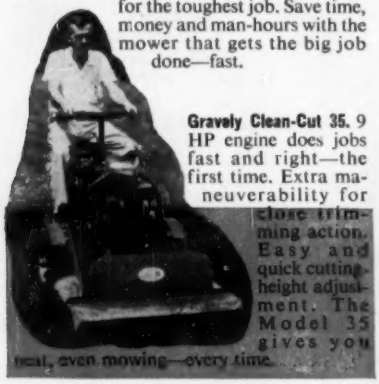

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Happy dill to you!

by SONIA KRIVENKO

The dill, a green delicious herb,
Will give your meal a taste superb.
Use sparingly—you're a gourmet—
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THERE IS SOMETHING AESTHETIC about stepping into your garden and picking your own home-grown vegetables and herbs. It lifts daily food preparation out of the doldrums.

Dill is used extensively by Russian cooks in so many tantalizing ways that I thought I would share some of the recipes that my mother used when I was a girl, and that I am using today in my own kitchen.

Dill makes a graceful plant and can be tucked in between bedding plants or relegated to the vegetable garden and planted neatly in rows. When it is young and tender I use it rather heavily, both as a garnish and for taste appeal. When it has passed the tender stage and seed heads have formed I use it for making pickles.

One package of seeds will produce enough dill for the average family of four. I like to plant a couple of packages several weeks apart so harvest season is longer.

I pick, wash and store several

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Dill has decorative flower heads and dark green leaves, delicately thin.

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stalks of dill in a plastic bag and place in the salad compartment of my refrigerator. When I am ready to use it, I cut the leaves into small pieces with kitchen shears and discard the stem.

I find dill a palatable and refreshing seasoning sprinkled over rounds of onions and tomatoes. I add oil, vinegar, salt and pepper and set before the man of my house, who usually smacks his lips at the sight of this dish. Sliced cucumbers on a bed of home-grown lettuce are always good. I spoon sour cream over the cucumbers and then sprinkle with fresh dill.

Boiled potatoes may be glamorized in the following way. When ready to serve, add ½ pat of butter for 4 potatoes, 1 cup sour cream, salt and pepper to taste and ½ cup fresh chopped dill.

THREE-DAY PICKLES

Fill a gallon jar or a large bowl with small pickling cucumbers. Add 3 heads of garlic, separating the cloves. Add 3 tablespoons crushed rock salt and 4 stalks of dill with seed heads. Pour boiling water over this. Do not cover or refrigerate for three days. On fourth day, you may start eating these pickles and they will now need refrigeration. Cover the jar with a lid. If you wish to preserve for winter, seal jars immediately upon pouring in the boiling water. These pickles are unique. There is no vinegar used and yet they have a tangy zest.

COLD SOUP FOR A HOT DAY

2 cups of cubed cooked meat with no fat (ham, corn beef, roast beef)
1 large bottle of ginger ale
or
3 small bottles of beer
1 cup sliced green onions
½ cup sliced radishes
1 cup sliced cucumbers
4 sliced hard boiled eggs
shredded romaine lettuce (optional)
½ cup fresh dill

Combine ingredients. Add a few ice cubes. Serve immediately. A dollop of sour cream may be added to each bowl.◈

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Warm weather crop:

Cucumbers—learn by my experience

by JOHN KRILL

CUCUMBERS were a hit-or-miss proposition with me not too many years ago. There were seasons here in Ohio when they grew with a wild abandon and my neighbors tired of my cucumbers and my bragging. These bragging seasons were followed frequently by seasons of absolute quiet because the cucumbers for some mysterious reason ignored my tender, loving care and matured as warty misshapen greenish-white lumps. I decided to learn things about them in order to have good cucumbers every time. With pardonable pride I say I have succeeded.

Cucumbers will sulk in uncomfortably cool weather, and a frost will wipe them out to the last little pickle. They refuse to become robust on acid soils. Heavy nonporous soils leave them in a languid and hardly bearing condition.

Few vegetables will respond as eagerly to a soil well mixed with rotted manure or commercial fertilizer. Since the delightful cucumber is about 95 per cent water, it is necessary that it be given an abundance of moisture. A lack of moisture will produce pithy fruit. I dig a hole about a foot deep and about 18 inches in diameter. In the bottom of the hole I toss in a generous spadeful of rotted manure. (You can use dehydrated manure mixed with compost if you don't live near a farm.) I dump in a bucket of water, then fill the hole with topsoil. I do not mound or hill the soil. Then I plant eight or ten seeds. These seeds are allowed to produce plants of which all but two or three are pulled out. The moisture in the manure-laden hole carries the plants over dry spells.

Cucumbers are very heavy feeders. Here is a "slow manure feeder"

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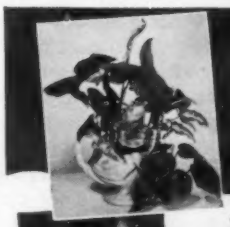

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I use for them. I fill sturdy burlap bags with rotted manure and tie the mouths tightly. Then I lay them in strategic areas of the garden, on soil that has been spaded well. Around each manure-filled sack I plant cucumber seeds. As they grow, I wet down each sack during dry weather once or twice a week. The water not only provides needed

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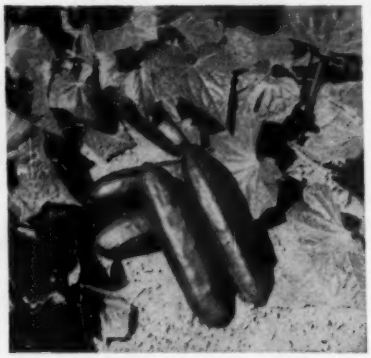

Perfect cucumbers are the reward of good culture. Variety is Marketer.

moisture, it drains through the sacked manure, carrying out with it the juice on which cucumbers thrive. By the end of the season the sack is rotted and the manure about expended. You need only spade the whole works into the ground to enrich the soil. (Feedings with liquid fertilizers can be substituted for the manure bags.)

Cucumbers will sparkle like emeralds if they are permitted to vine and bear on a mulch of hay or straw. The mulch helps keep the soil moist underneath. It keeps the cucumbers clean and undamaged since there is no direct contact with the ground. Spray against insects and disease.

No longer do I feel betrayed, after witnessing a profusion of flowers on the vines, when I discover to my dismay a very meager set of fruit. I have found out that there are male and female flowers on cucumbers. Alas! The male flowers outnumber the female blossoms by at least a half-dozen to one. The contrary female blossoms must always be in proximity of many male blossoms so that they may be pollinated whenever they deign to open. Insects, principally bees, are the important pollinators, though the wind may also help. Poor pollination results in poor fruit.◈

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The Kitchen Gardener

by **ANNANELL C. JUBB**
Fowlerville, Michigan

NOW HERE'S A DAY! Soft and warm and light. Everything new and fresh and thriving. It's small wonder the ancients held festivals at this time of the year. I feel very festive myself with the sun warm on my head, the earth soft under my feet, the air scintillating with bird song—the wonderful miracle of spring returned.

When asparagus makes its first appearance on our table in May it is robed in cream sauce made with *cream* as befits so elegant a vegetable. Neither the waistline nor the budget can stand much of this royal treatment and subsequent appearances are accompanied by butter or cheese sauce, or perhaps vinaigrette sauce. New-to-me enhancement is browned butter with toasted hazelnuts. Different and good, although it rated only suspicious sniffs from the men of the household.

They won't object to this different way of preparing rhubarb, though. Let's serve it baked. There are several forms baked rhubarb may take and since all are delicious preference may be based on the time available for preparation. Time short? Sauce or cake. Lots of time? Pie or cobbler. Baked rhubarb in any form can be dessert for an oven meal. To make the baked sauce is simplicity itself. It doesn't have to be watched, which saves time on busy days. Prepare the rhubarb by washing the stalks and removing the leaves and growing ends. Cut across the stalks to make 1-inch-thick slices. Measure the slices and for each cup add ¼ cup of sugar and 1 tablespoon of water. Stir to mix, place in a baking dish, cover and bake for thirty to forty minutes in a moderate oven. Four cups of rhubarb slices will serve four persons.

It hardly seems possible, but I plucked a bowlful of greens for lunch—Spring is truly here!◈

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Cool weather crop:

Enjoy Chinese Cabbage

THERE IS STILL TIME to make out a seed order, so be sure to include Chinese cabbage. Or if you select your seed packets from a rack at the local garden supply store, chances are you can find it there too. Celery cabbage, as it is sometimes called, is delicious and belongs in every vegetable gardener's repertoire.

In high altitudes, or in very cool climates, Chinese cabbage can be sown in spring. But where summers are long and hot, it is best to wait until after the middle of July or the plants may send up seed stalks. This is a hardy vegetable; good crops are harvested as late as December in the North.

Strive for a quick, lush growth by sowing the seeds in fertile soil where they are to grow.

This vegetable, *Brassica pekinensis,* is one of several Oriental cabbage species that have won favor rapidly since they were imported into Western countries. Chinese cabbage has thick, succulent midribs —excellent for munching raw. And anyone who likes Chinese cooking has probably enjoyed it as one of the vegetables (not overcooked) in a dish of pork or shrimp.

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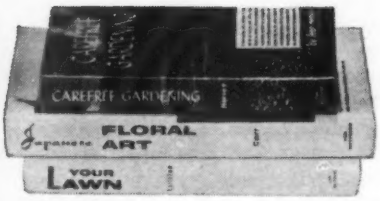

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by R. Milton Carleton. Here is a new book that will save you time and money, and help you develop a lawn of great beauty and durability. Thorough, authoritative, and up-to-the-minute, it includes information on the newly discovered and improved grasses, appropriate fertilizers, weed and pest controls, and the most efficient methods to use in starting and maintaining a new lawn or renovating an old one. Illus. $3.95

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by Dorothy Riester. Principles of the fine arts and how they can be effectively applied to the art of flower arranging. Illus. $7.50

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by JOSEPH MYER

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PHOTOGRAPHS BY AUTHOR

Branches of the yew are splayed out against wall, held in place with twine.

Tracery effect of an espaliered yew is maintained by pruning it continuously.

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Continued from page 38

perennial bed in front of the garage is just spilling over with color. I've noticed cars slowing down on the road as people enjoy it from there. It was quite spectacular in early spring, too, with narcissus and great blankets of candytuft and yellow alyssum. I would have to show you a plan of this bed to explain why it always has something in flower.

Come into the study, now, for a moment. Both this and the living room bay get a full view of the large perennial bed at the front steps, as well as the flowering shrub borders which face it across the lawn. Here the spring edging is of scilla, tulip species and doronicum. That fragrance? That's old-fashioned garden-heliotrope. Later there will be lots of nicotiana, too, to sniff while we sit on the porch. Those big purple spikes are baptisia, and the brilliant blue is the early veronica. In back you can see some of the tall sunflowers planted by our bird friends at their window feeders. Clumps of chrysanthemums and day-lilies keep this flower picture interesting into the late fall.

Now for our own bedroom at the other end of the house: I took special pains in planning the outlook here, because I've had to spend so many weeks of my life flat on my back looking at blank walls. The floribunda roses under this window give a fine splash of color through a long season, and other perennials and annuals stretch out the time of bloom here, too. On the other side of the room, from the couch, you can look right down on the little goldfish pool with its water-lilies, and a succession of spring bulbs, anchusa, and tall spuria iris that stand up above the little border succulents.

I might as well show you that we even have flowers to look at from the casement window in our bathroom. We enjoy the border at one end of the terrace from here, as well as the pool garden, but especially this fragrant climbing hydrangea that flowers on a trellis just outside.

Now don't say that so many flower beds must mean lots of work! Of course they don't just take care of themselves, at least in spring. April and May are busy, happy months for us, filled with weeding,

feeding and mulching, and some planting and transplanting. But from then on there is truly little to do. In the evenings I pick off the dead blossoms while we walk around looking at the garden. Occasionally I spend a cool morning cutting back something that has finished blooming. But I love digging in the soil. On the other hand, I'm quite ruthless about throwing out anything which needs much care. If a plant has to be babied, doesn't thrive, or needs constant spraying or dusting, out it goes! I use tulip species entirely as they last for years without replacement. Each year I have less space for annuals and use more lasting perennial plants. My goal is an easy garden that needs no help during the hot summer and that I can care for practically single handed.

But I can't imagine having a garden without flowers. The sterile type with concrete and pebbles and a few green things, now being advocated by so many landscape architects, may be completely carefree —but without flowers, I'd never call it a garden!

Why shouldn't a modern house like ours fill its windows with flower pictures? Even from the street our low ranch building looks more interesting with its colorful edgings than those with stereotyped evergreens that have become so monotonous along our suburban streets.

Anyone who has picture windows —or any large-sized window, for that matter—could fill them with flowers right up to the outside sills, as we have. You'd like to try it, too? Good! I'm so glad you enjoyed walking around looking at the garden from inside the house. It's stopped raining now. Let's sit outside and enjoy it all from the other side!◈

Dorothy (Mrs. James L.) McFadden of Mendham, N. J., is vice-chairman of the World Gardening Committee of the Garden Club of N. J. She specializes in day-lilies for continuous bloom.

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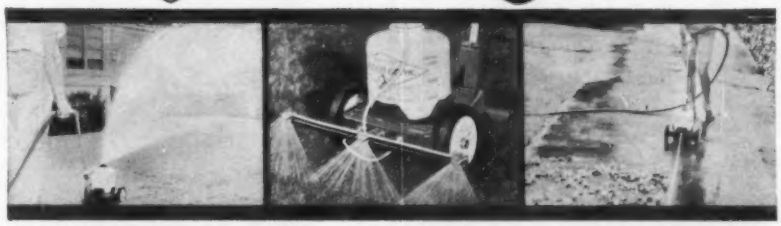

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Send $2.00 for your copy

CMC CONCRETE MACHINERY COMPANY, INC. HICKORY 4 NORTH CAROLINA

24 YEARS OF LEADERSHIP

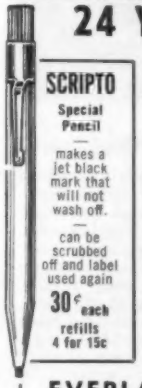
ALWAYS STRIVING FOR IMPROVEMENT

GALVANIZED STEEL STANDARDS — ETCHED ZINC NAME PLATES

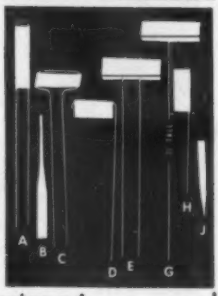
METAL GARDEN MARKERS LAST FOR YEARS

A—12 inch hair pin type.....14 for $1.00—100 for $4.80
B—7 inch plant label.....80 for $1.00—1000 for $10.00
C—10 inch Garden Marker.....13 for $1.00—100 for $5.00
D—10 inch Swing label.....20 for $1.00—100 for $3.00
E—11½ Rose Marker.....12 for $1.00—100 for $5.50
F—20" Double Wire.....10 for $1.00—100 for $7.50
G—21" Single Wire.....25 for $1.50—100 for $5.75
H—8 inch Pot Label.....30 for $1.00—100 for $2.50
J—4" for African Violets....100 for $1.00—1000 for $6.00

ALL ITEMS IN THIS AD PREPAID EAST OF MISS. RIVER. 10% EXTRA WEST



SCRIPTO Special Pencil — makes a jet black mark that will not wash off. — can be scrubbed off and label used again 30¢ each refills 4 for 15c

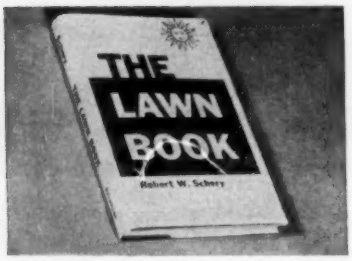


TRIAL KIT to acquaint new customers with our markers and labels we prepay THREE each of A, C, D, E, H and 20 B, together with a waterproof Crayon Black Carbon Pencil 10c. all for $1

EVERLASTING LABEL CO. BOX 93, PAW PAW, MICH.

Garden Marker

A thoughtfully different gift every gardener will cherish. A gift that will be appreciated now and always. Cast aluminum plaque with raised letters. Finished black with letters hand painted gold or white. Measures 9" x 14", stands 24" high. $7.50 ppd. Prompt delivery guaranteed. Send 25¢ for new catalog. When traveling in Georgia, visit our Home Showcase of Old South Reproductions. Moultrie Mfg. Co., Moultrie, Ga.



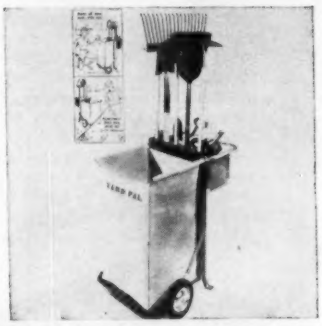
Professional Secrets

For planting and maintaining a beautiful lawn easily and inexpensively—THE LAWN BOOK by Robert W. Schery, Director of The Lawn Institute. Expert, easy-to-follow advice on selecting the right grass for your locality, budget, purpose; sowing seeds; mowing; watering; fertilizing; controlling weeds, insects, diseases. Illus. $5.95 ppd. Money-back guar. Dept. FG-19, The Macmillan Co., 60 Fifth Ave., New York 11, N. Y.

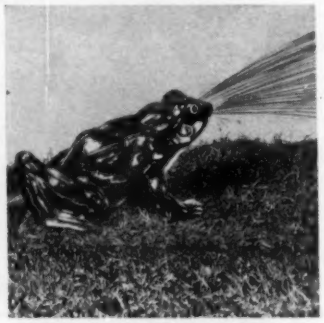
6 From 1

SOAKEZE does a good job watering shrubs, especially roses. Attach it to your garden hose; the 6 small plastic hoses spread out in any direction to soak roots of 6 plants, some 20' apart. No water wasted. Flexible year around. 2 Soakeze and a Y connector soak 12 plants. Satisfaction guar. Complete unit $4.98 ppd. Y connector 98¢. Send check or M.O. Jons Mfg. Co., Dept. B-6, Saint Matthews, S. C.

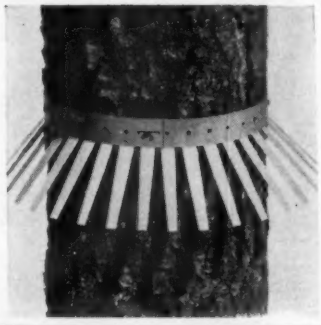
Shop in The GENERAL



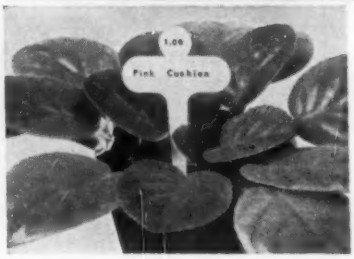
YARD PAL—a real help with chores around the garden. Sturdy all steel construction it rolls on ball bearing wheels with hard rubber tires. Folds for easy storage. All tools at your finger tips! Heavy duty bag holds two bushels of leaves, twigs, grass clipping, etc. Remove bag and it hauls fertilizer bags and other heavy garden equipment. A must for every gardener! $16.95 postpaid. Franklin J. Scott, Dept. FGC-1-5, Farmington, Wash.



WHILE HE SITS AND CROAKS let Old Froggie hold your garden hose while watering the lawn. Sculptured in a beautiful glazed green ceramic he measures a full 9" long and 5" high. Fits any hose coupling. Looks almost real and he's bound to cause favorable comment while sitting contently in your garden. Only $2.95 postpaid from Empire-LaVive, FG-5, 140 Marbledale Road, Tuckahoe, N.Y.



NEW TREE GUARD prevents squirrels and cats from climbing trees to catch and annoy birds. Guard is made of brown metal and comes in three sections. Suitable for tree up to 8 inches in diameter. For larger trees, use an additional set or part of one. People who encourage birds in their gardens will appreciate these guards. Only $1.00 per set, 2 sets $1.95 postpaid. Downs & Co., FG-5, Evanston, Ill.



T-Stake Plant Markers

Attractive 4" plastic plant markers in spring green or pure white colors. Handy for pricing—round tab is grooved and can be broken off. Weatherproof. Easily marked with soft pencil, rubber stamp or printing. Markers are reusable. Will not curl, rust, rot or mildew. 100 markers only $1.50; 500—$6.00. All prices postpaid. Lifetime Markers, Dept. 2-A Box 216, Clyde, Michigan.

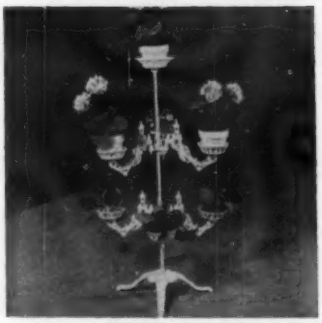
Protect Plants From Dog Damage

Keeps dogs and cats where they belong. Get Sudbury Chaperone, nationally famous, extra potent. Prevent burned evergreens, ruined flowers, soiled lawns. Aerosol spray can OUTDOOR Chaperone $1. postpaid. For season supply, Quart Can, FREE sprayer, $3.98. INDOOR Chaperone protects furniture. Aerosol can $1. Enclose $1 bills at our risk. Money-back Guarantee. CHAPERONE, Box 1386, Sudbury, Mass.

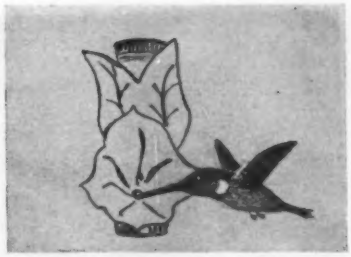
STORE *with Erna W. Cass*

ILLUMINATED ELECTRIC FOUNTAIN makes an elegant table centerpiece T.V. lamp, aquarium or as a unique addition to your patio, porch or garden. Base contains recirculating pump, on-off switch and waterproof cord. Exclusive adjustable nozzle sends spray from 4 to 24 inches. Just add water and plug in outlet. 16" bowl comes in pastel blue, rose, green or crystal. $21.95 postpaid. Bundy Sales Company, FG-5, Mount Tom Road, Pawling, N. Y.

DISPLAY YOUR AFRICAN VIOLETS or other favorite house plants to their utmost advantage on this sturdy plant stand. Its swinging arms are made from Early American swinging lamp brackets which permit turning to get the full benefit of the sun. Holds 7 plants and is 43" high. Finished in white enamel. $25.00 postpaid from Moultrie Mfg. Co., FG-5, Moultrie, Ga.



GENTLE-FLOW IRI-GATOR provides deep-root watering so essential to maximum growth of plants, shrubs and trees. Perforated aluminum bulb lets water out. Baffles inside reduce hose pressure to a gentle flow. Eliminates soil erosion and exposed roots. Doesn't wet the leaves to invite plant disease. Attaches to any hose like a sprinkler. $1.69 postpaid from Walter Drake, FG-5, 44 Drake Bldg., Colorado Springs, Colo.

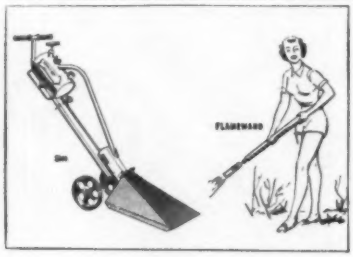


Colorful Humming-Bird Feeder

Plastic container holds over ⅓ cup of syrup and is decorated with a plastic red, orange or yellow flower and green leaves. Place on trellis, fence post or a stake in a flower bed. Instructive and interesting leaflet included. Single colors $1.00 each. Three assorted colors for only $2.75 ppd. Send for *new* Free Catalog "Gifts for Wild Birds and Bird Lovers." Blair's, 25 DeRussey Lane, Dept. FG-51, Cornwall, N. Y.

Lawn Sprite Gloves

Here's a most attractive vinyl impregnated glove tailored just for the ladies. Water repellent—ideal all purpose glove around the house and garden. Pastel green with double gold stitching for strength and beauty. Scalloped cuff provides added protection—keeps dirt from getting in glove. Your best buy . . . only $1.00. (postpaid). Sizes 6, 7 and 8. National Glove Inc., Coschocton, Ohio.



New Positive Weed Control

Turn the heat on weeds with the all new Sheen Flame Guns. The FLAMEWAND is light and compact. Ideal for garden use . . . $29.50 ppd. The X-500, a larger all purpose flame gun with wheeled chassis and hinged hood is easy to maneuver; gun is detachable . . . $79.50 f.o.b. LaGrange. Complete line of Flame Guns available. Send for free booklet—1001 Burning Answers. Smrt Import Company, 1105 W. Plainfield Rd., La-Grange, Ill.

Sturdi-Built Greenhouses

Here it is! Your chance to get the New "SUN-GLORY" prefabricated complete-to-ground greenhouse! Newest style! Lifetime REDWOOD! Hailproof! Self-shading. Needs no Base! Has built-in benches. Prices on Sturdi-Built greenhouses start at $199, freight prepaid! Send for Color Catalog showing sizes and styles: Sturdi-Built Mfg. Co., Dept. F., 11304 S. W. Boones Ferry Road, Portland 19, Oregon.

Quality, Low-Cost Grinder

The W-W Shredder-Grinder processes all types of organic material for faster composting . . . makes potting soil, mulch —grinds, shreds, screens, mixes. Has interchangeable shredding rollers and grinding screen . . . long-life construction . . . easy portability. Model A above $129.95 power equipped, fob Wichita, Kansas. Terms. W-W Grinder Corporation, 2957-G No. Market, Wichita 19, Kansas.

"Garden Guide" Markers

The perfect Garden Marker — say leading garden authorities. 10" unbreakable plastic garden name stakes complete with removable name plates printed with ROSE names (380 varieties—list choice when ordering). Reusable for years. Withstand sun, water, heat, cold, garden chemicals. Color harmonized. *Money-back Guarantee.* 4 printed markers, $1.00 ppd. No COD's. Harlane Co., Dept. FG-51, Box 516, Highland Park, Ill.

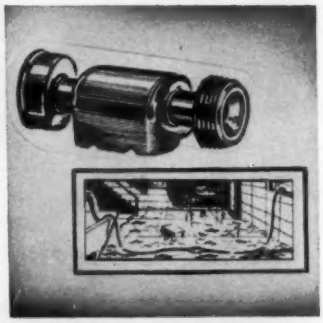
Terra-Cover

NO WEEDING, NO MULCHING, bigger, healthier plants, shrubs with new heavy-duty plastic sheet. Guaranteed to stop weeds on flower beds, pebble beds, fence strips, mowing strips, brick borders. Three-foot wide rolls of Terra-Cover easily installed by one person in one-third to one-tenth time required to weed. Only $4.95 ppd. for 150 sq. ft., complete instructions. Terra-Cover, Box 145, Seabrook, Texas. Money-back guaranteed!

Redfern's Insulated Greenhouse

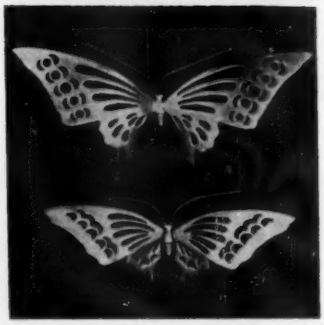
Heat savings alone with exclusive Twinglas repays the few extra dollars it costs! Special engineered-in features assure easy assembly, long life. Famous *original* Redfern Climate-Control greenhouses are built *right* in heart of redwood country. Shipped in pre-fab sections no puttying required. Priced from $192.80. Spec. freight allow. Write for FREE greenhouse book. Redfern Prefab Greenhouses, FG-4, Santa Cruz, Calif.

Shop in The GENERAL



LOW COST WATER PUMP drains 300 gallons per hour. No electric motor needed. Simply attach to any faucet and turn on—water pressure does the rest. Use in cellar, backyard, pool, sinks, fish tanks—wherever you wish to drain water. $2.69 plus 30¢ postage. Thoresen, Inc., Dept. FG-491, 585 Water St., New York 2, N.Y.

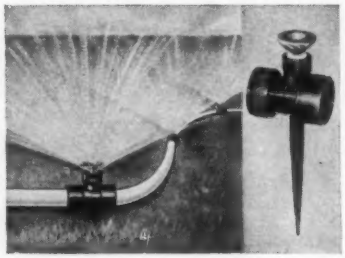
DAY-N-NIGHT LAWN MARKER with your name and number or any other wording, up to 6 letters and numbers on top line, 17 on lower. Attractive wrought aluminum frame and scroll on double 24" stakes. Permanently raised letters on both sides shine brightly at night. Rustproof aluminum; baked black enamel finish with white reflecting letters. $4.95 postpaid. Spear Engineering Co., FG-5, 102-O Spear Bldg., Colorado Springs, Colo.



ORIENTAL BUTTERFLIES beautifully handcrafted of polished brass by craftsmen whose skill was handed down through thousands of years from father to son. Butterflies in Chinese mythology denote lighthearted happiness and joy to come. In pairs, the male is 17" x 7" and the female 14" x 6". A handsome wall decoration! $9.95 pair postpaid. Edward H. Ziff, FG-5, 15-116 Merchandise Mart, Chicago 54, Ill.

New Vita-Gen Kit Feeds Lawns

Beautify your lawn all summer without burning! Use high-nitrogen liquid fertilizer. Kit contains two qts. of *Vita-Gen* in polyethelene bottles plus reusable plastic sprayer which attaches to garden hose. Guaranteed analysis of 15-5-5. Will feed up to 5000 sq. ft. It can also be used for shrubs, trees, vegetables and house plants. $3.95 postpaid. Send check or money order to Gorham's, Box 610, Springfield 1, Illinois.

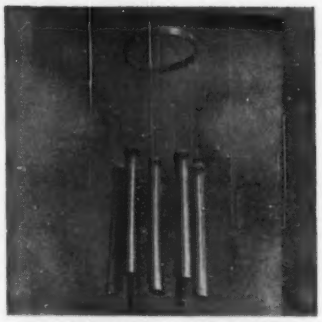


Sprinkle Up To 1500 Sq. Ft.—$1

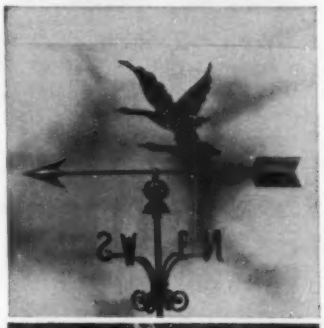
New turbine-action Sprinkler spins a fine mist of water up to 1,500 square feet! Attaches to any hose. Set up singly, or in series . . . it's the world's lowest-priced sprinkler system. Can be moved where needed. Moulded-nylon design . . . can't clog, rust or get out of order! Guaranteed or money back! Only $1, postage paid . . . three for $2.79. Order Whirl-A-Jets from Sunset House, 499 Sunset Building, Beverly Hills, Calif

STORE *with Erna W. Cass*

BAMBOO WIND CHIMES to transport you in feeling to beautiful oriental gardens where peace and quiet reign. You'll love these natural color, hand polished chimes in your own garden where you'll enjoy their melodious tinkle as the breeze gently moves them. Or, give them as gifts to your gardening friends! $2.00 postpaid from Donald-Edward Co., FG-5, 1170 East 86 St., Brooklyn 36, N.Y.



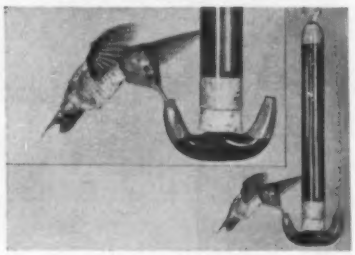
DISTINGUISH YOUR ROOFTOP with an original Hagerstrom weathervane! This one called "Northbound" has two graceful birds winging their way to show you which way the wind is blowing—a forecast of tomorrow's weather. Made of lasting aluminum with a rich black finish, it is 27" wide and approximately 30" high. A nice Father's Day gift! $22.50 postpaid from Hagerstrom Metalcraft Studio, FG-5, Wheeling, Ill.



HIGHLAND LANTERN PLANTER filled with foliage or flowering plants makes an unusual and attractive display on either side of the doorway, on the porch, or patio. Its large 26" x 20" size of steel construction is beautifully finished in black or white. Top removes for easy insertion of flower pot. Hang one from the low limb of a tree for a spectacular effect. Only $6.98 postpaid including bracket. Highland Designs, FG-5, 422 West Highland, Carthage, Mo.

Featherweight Magnifier

Saves eyes, stops squinting, spans full newspaper column at a glance. Optical glass, scientifically-balanced, rectangular in shape, weighs less than 2 ounces, 3½" wide, magnifies 2½ times. Gives clear, true, accurate vision in reading road maps, charts and fine detail. Useful gift, $3.95 postpaid. If not completely satisfied after 10-day trial, money will be refunded. Edroy Products Co., FG, 480 Lexington Ave., New York.



Hummingbird Feeder

Fill your yard with beautiful Hummingbirds with this fabulous feeder. Simple to fill, easy to clean; insect proof; instructions enclosed. Perfect gift for your bird-loving friends. Made of beautiful handblown glass. $1.95 postpaid, $3.75 for two. Each additional $1.60 in U. S. and possessions and Canada. Unconditionally Guaranteed. No COD's please. Dinah Dee, P.O. Box 6734, Dept. 1161, San Antonio 9, Texas.

Root Plants Easily

Roses and other plants root quickly and develop exceptionally fine root systems when started with Jet Magic Root Wrap. (patented). Rose bush pictured is one year old from wrapped cutting. Jet Magic Root Wrap is simple and easy to use. A gardening thrill awaits you when you root cuttings this exciting new way. Wrap for 20 plants plus instructions, $2.00 ppd. Jet Magic Root Wrap, P. O. Box 4221, Dept. 2-J, Portland 8, Ore.

Grow Bigger Roses

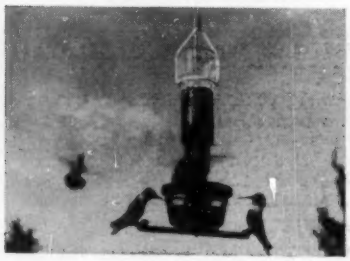
Wonderful rose fertilizer grows loads of 6-inch, deep-color blooms on healthy bushes. Triple XXX Rose Maker is formulated with a rich organic blood base by the 107 year old maker of famous Triple XXX products. Contains fritted trace elements—a rare extra nourishment known as F.T.E. Trial size treats 20 bushes. Satisfaction or money refunded. Only $1.00 ppd. Stadler Fertilizer Co., 1010 Denison Ave., Cleveland 9, Ohio.

Stop Dog and Cat Damage—$1

Dog Wicks are the perfect solution for repelling pets. One sniff and away they'll run! Hang this chemical Wick on shrub or branch and rest easy for the whole season. Safe, harmless to animals. Use inside or out—protects lawns, garbage pails, flowers, furniture. Trains your pets and neighbor's dogs. *Guaranteed or money back!* 20 for $1, postage paid. Order Dog Wicks from Sunset House, 499 Sunset Building, Beverly Hills, Calif.

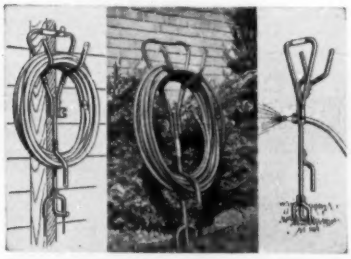
Day-n-Night Mailbox Marker $1.95

Your name (or any wording up to 17 letters and numbers) gleams on both sides of your Day-n-Night Marker, in permanent raised letters that shine bright at night. Fits any mailbox—easy to install. Rustproof aluminum; black baked enamel background, white letters. Perfect gift for Father's Day! 48-hr service. Money-back guarantee. Only $1.95 postpaid. Spear Engineering Co., 610-F Spear Bldg., Colorado Springs, Colo.



For Hummingbirds Only

This feeder is the only improvement in design ever made. No bees or other birds can reach the honey water. Can't possibly drip. Watch the tiny jewel-like birds feed unmolested by bees. Unusual and heart-warming gift. Sorry no COD's. Price $2.95, add 18¢ postage. In Calif. add 12¢ sales tax. Full instructions included. Design by Erwin Brown, Hummingbird Heaven, Dept. FG, 6818 Apperson St., Tujunga, Calif.

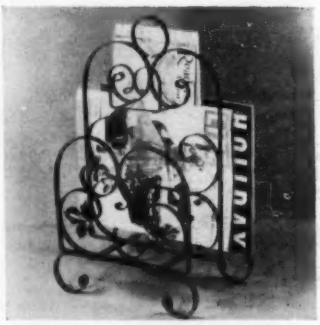


Portable Hose Rack Does 5 Jobs

Portable hose rack sticks in ground to hold 100 ft. of hose, hangs hose indoors for winter storage. Metal clip holds nozzle while sprinkling. Metal prongs at bottom act as lawn aerator, paper pick-up. Steel tubing; enameled red. Chrome handle. Non-tip base. Easy to carry. $3.95 each, 2 for $7.00. All orders sent postpaid. Money-back guarantee. Walter Drake, 1005 Drake Bldg., Colorado Springs 4, Colorado.

Shop in The GENERAL

NEW HALF FRAME MAGNIFYING GLASSES with the finest prescription quality lenses for you who need simple magnifying lenses to read fine print or to do close work and of course, if you do not have astigmatism or eye disease. Comparable to glasses at a higher price at your optician. May be worn in front of your prescription glasses. $4.95 pair from Nu-Life Products, Dept. 100-BD, Cos Cob, Conn.

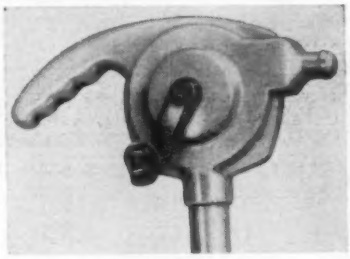


WROUGHT IRON MAGAZINE RACK beautifully handcrafted in the best tradition of quality and imaginative design. Satin black finish, you'll find it a handsome addition to the decor in any room. Holds from 16 to 24 full size magazines, with a small rack on handle for the digest size. A great value for $7.95 plus 75¢ postage. Yankee Imports, FG-5-50, Ipswich, Mass.

END THAT FRUSTRATING SEARCH in the bottom of your bag for your keys. They're always within easy reach with a Key Finder. It clamps to the inside pocket of your purse. Simply pull off entire unit with keys attached. Finished in a rich gold tone and ornamented with simulated pearls, it is 2" long. An attractive and useful gift. Buy one for yourself, too. $2.00 postpaid. King's Key Finder, Dept. P-FG-5, 2214 East Washington Blvd., Los Angeles 21, Calif.

New Turner Greenhouse

New 14' x 14' prefabricated framework of heavy aluminum coated steel, covered with pre-cut glass. Everything furnished—bolts, nuts, door, hardware, glass, four ventilators, complete instructions. All previous TURNER GREENHOUSES can be converted to glass. Plastic models priced (14' x 14') from $125.00. Lean-to-models available. Freight prepaid. Write for catalogue. Turner Greenhouses, Box 1260, Goldsboro, N. C.



Rotomist Garden Sprayer

Rotomist makes garden spraying easier than ever! A pleasure to use. Weighs less than a pound and cannot leak. Smooth rotary action produces controlled spray or mist without pressure tanks. Use with any household container. Change to different solution fast. Absolutely corrosion proof; chemicals never touch pumping mechanism. Rotomist, complete with 10 ft. hose, $9.95 postpaid. Craftneeds, House Springs, Missouri.

STORE *with Erna W. Cass*

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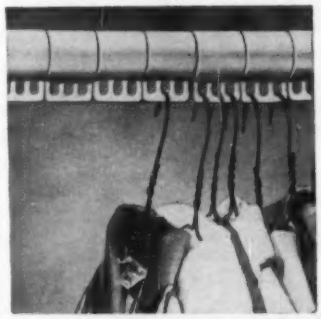

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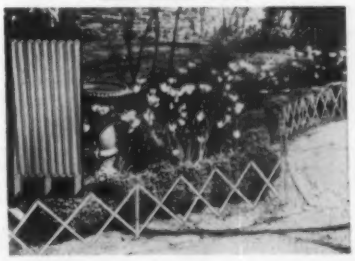

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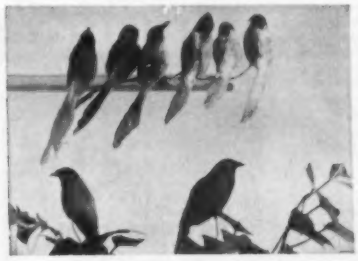

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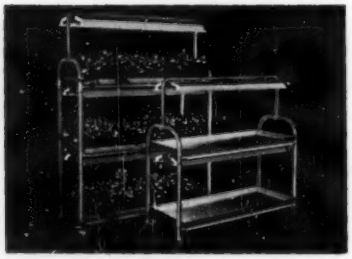

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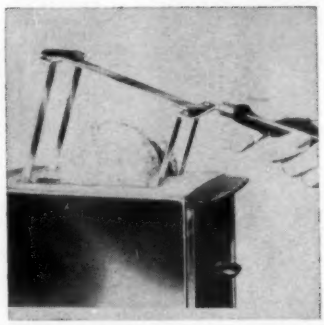

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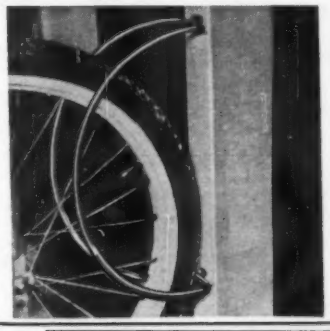

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2¾" Square	25—1.50	50—2.75	100—5.00
3" Round	25—1.50	50—2.75	100—5.00
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	4"	25—2.00	50—3.75	100—7.25
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Be sure to see the PARADE OF VALUES Section Starting On Page 23!

Plants Out-of-the-Ordinary

by C. W. WOOD
Copemish, Michigan

Pole Bean New Italian: For a new taste sensation in pole beans, in any bean, in fact, try Breck's (Breck's of Boston, 250 Breck Bldg., Boston 10, Massachusetts) NEW ITALIAN. I cannot compare it with any other bean that I know, so I can only suggest that you try a few hills in your garden, harvesting the wide, flat beans when they are a little over 4 inches long. They are then tender, stringless and of superb flavor—something to write to the newspaper about.

Daffodil Mabel Taylor: Although daffodil MABEL TAYLOR has been in gardens for about fifteen years, it is apparent that many gardeners, including some daffodil fans, are still unaware of its existence. That gives me an opportunity to draw attention to one of the better pink-trumpet varieties, which you will find among the offerings of Grant E. Mitsch, Canby, Oregon. It is classified as 2b, which, translated into garden language, means a large-cupped variety with a white perianth and a colored corona. MABEL TAYLOR has a large trumpet of pale yellow with a wide, ruffled band of rose-pink that turns to salmon as the flower ages, all set in a wide perianth of overlapping segments. One of the best of the pinks that I have seen.

Elisena: Elisena is a South American genus of the amaryllis family, closely related to the Peruvian daffodil, *Hymemocallis calathina*. Only one species, *Elisena longipetala*, seems to be in cultivation and that so rarely that I was glad to find it in the Park (Geo. W. Park Seed Co., Greenwood, S. C.) catalog. Like the Peruvian daffodil, it is of easy culture under the same conditions given that amaryllis cousin. This includes planting in a well-drained, sunny spot, digging as soon as frost cuts down the foliage, storing dry in a frost-proof cellar and planting out again as soon as danger of frost has passed the following spring. Like the Peruvian daffodil, it is quick to come into flower following planting, producing large, fantastically-shaped (lobes narrow, rotate, undulate and recurved at tips) flowers, four or five to each 2-foot scape.◈

IRISES in bloom continuously from April to July!

Just think of it! Almost 4 solid months of RAINBOW COLORS in your garden!

Plant these Iris this year and enjoy not 2 or 3 but 12 to 16 weeks of colorful Iris blooms in your garden each year. All are absolutely hardy and just as easy to grow as the old common purple Iris which bloom for 2 to 3 weeks at the most. The exact blooming dates will vary depending on where you live. The Dwarfs will bloom first in March or April and the Japanese will bloom last in June or July.

GIANT RAINBOW COLLECTION

6 beautiful Tall Bearded Iris all pictured here in true-to-life colors. Every one an American Iris Society Awards Winner! Height averages 3 to 4 ft.

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New MARHIGO IRIS

America's Finest Strain of Japanese Iris . . . Largest Flowers of All

We never have enough of these gorgeous new Japanese Iris with their mammoth blossoms 8 to 12 inches across. Colors range from light orchid-pink to deepest blue, purest lavender to darkest purple. Also snowy white and endless dark-veined and bordered color patterns. In bloom after Bearded Iris are past. ORDER NOW. These magnificent MARHIGOS were completely sold out both in 1959 and 1960.

☐ **6 HEAVY CLUMPS 6 Different Colors $5.00**

SPRINGTIDE Collection

6 Dwarf Iris for Early Spring Color

These little fellows are perfect companions planted with other spring harbingers such as Daffodils and Primroses. MOONGLEAM, pictured at left, an Award Winner both in America and England, will be included in every collection.

☐ **6 DIFFERENT ←DWARF VARIETIES..... $3.00**
(Catalog Value at Least $4.50)

SPECIAL INTRODUCTORY OFFER TO *FLOWER GROWER* READERS

☐ **ALL 3 COLLECTIONS ONLY.. $10.00**
(Catalog Value at Least $16.50)

ALL PLANTS LABELED AND SHIPPED POSTPAID

Walter Marx Gardens

BOX 38-F-5
BORING,
OREGON

NOW FOR '61 FROM STERN'S
A THRILLING HORTICULTURAL DEVELOPMENT

have bushels of flowers like this in 100 days

PLANT STERN'S SPECIALLY-GROWN, DOUBLE-FLOWERING

JEWEL-TONE®

GENUINE CUSHION

MUMS

GROWN AND SHIPPED TO YOU IN INDIVIDUAL PEAT POTS— PLANT THEM POTS AND ALL!

3 PLANTS ONLY $1.00 INSTEAD OF 3 FOR $2.50

Healthy Pot-Grown Plants guaranteed to bloom magnificently at **60% SAVINGS** *compared to older plants*

NOT SMALL, STRUGGLING, ROOTED CUTTINGS OR OLD "CLUMPS", BUT HUSKY POT-GROWN PLANTS THAT GROW LIKE FURY! Grown and shipped to you in specially formulated soil, each in individual 1½" pot. Pots are made of peat with soluble fertilizer "built in". Moist-pack containers keep them growing en route! *Plant them—soil, roots, pots and all! No transplanting shock. Roots grow right thru pot!* They'll establish themselves at once—grow and produce like no Mums you ever saw before! Thrive for years!

EVERY PLANT GUARANTEED TO BLOOM! Each plant will produce a mass of colorful blooms up to 2 ft. wide, yet only 12" high. Every garden has room for these low-growing beauties. Even the small space in front of evergreens is enough. Create glorious color contrasts against a background of taller plants. Each lovely bloom is double-flowered, with rows of slender petals in perfect symmetry.

PLANT NOW – IN 100 DAYS THOUSANDS OF FLOWERS – OR KEEP PLANTS, FREE! *This is the best, the only season to plant Stern's husky pot-grown Cushion Mum plants.* They'll bloom in 100 days. Each plant must produce hundreds of flowers—put on the most spectacular Mum display ever in your garden. Or send us a card and we'll send free replacement or full refund. Don't even return the plants. Keep them free!

EASY TO GROW – SO HARDY THEY LAUGH AT EARLY FROST! Flourish in any garden soil. Even when neglected, never get out of hand. Bloom continuously 8-10 weeks. Thrive even after first frosts, when all else is finished. You'll have armfuls for color indoors—masses of Mums to surround your house with beauty!

AVAILABLE NOW FROM STERN'S BY MAIL ONLY
SEND CHECK OR MONEY ORDER—RESULTS GUARANTEED OR MONEY BACK

Stern's Nurseries FIELD G. GENEVA, NEW YORK

SPECIALISTS IN RARE AND CHOICE TREES, PLANTS AND FLOWERS

FOR BUSHELS OF MUMS IN 100 DAYS, MAIL TODAY!

NOTE BIG SAVINGS —ORDER BY MAIL NOW!

Stern's Pot-Grown Cushion Mum Plants in 6 Glorious Jewel-Tone Colors

RED • PINK • YELLOW
BRONZE • PURPLE • WHITE

3 FOR $1.00
(1 each of red, pink, yellow) Save $1.50

6 FOR $2.00
(1 each of all 6 colors listed) Save $2.75

10 FOR $3.00
(any colors you choose) Save $4.50

20 FOR $5.50
(any colors you choose) Save $9.00

40 FOR $10.00
(any colors you choose) Save $17.50

Prices Postpaid—Send Check Or Money Order. Easy planting instructions with order.

STERN'S NURSERIES, FIELD G. GENEVA, NEW YORK
Please rush me Stern's husky pot-grown Jewel-Tone Mum plants as I indicate below. They must put on the most spectacular Mum display I've ever seen in my garden, this year —or I get free replacement or my money back—and keep the plants I'm ordering now, free! ALL PRICES POSTPAID.

(CATALOG #61)

☐ 3 FOR $1.00 (1 each of red, pink, yellow)
☐ 6 FOR $2.00 (1 each of all 6 colors listed)
☐ 10 FOR $3.00* ☐ 20 FOR $5.50* ☐ 40 FOR $10.00*

*State colors desired here: _____

Check or Money Order enclosed for total: $_____

Name _____

Address _____

City _____ State _____